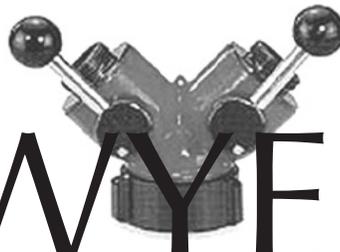


GATED WYE



October 2011 · Oregon Office of State Fire Marshal · 4760 Portland Road NE · Salem Oregon 97305-1760 · No. 333

Fallen firefighters honored at annual memorial

Oregon fallen firefighters were remembered at an annual ceremony September 15th on the grounds of the Oregon Public Safety Academy in Salem, site of Oregon's Fallen Firefighter Memorial.

The Fallen Fire Fighters Memorial is a tribute to professionals and their families who made the ultimate sacrifice. The ceremony included reading the names of 162 career, volunteer, and wild-land firefighters who died in the line of duty. No new names were added to the memorial wall this year.

After remarks by the guest speakers, the Fallen Fire Fighter Roll

Call was issued. A combined honor guard then placed two wreaths at the memorial; one representing firefighters who died in the line of duty, and a second for current and surviving firefighters.

Guest speakers included Coos Bay Fire & Rescue Chief Stanley Gibson, and Everyone

Goes Home State Advocate - Harry Ward.

The criteria to include a name on the Oregon memorial are identical to that used for the National Fallen Firefighters Memorial in Emmitsburg, Maryland. Having the same criteria allows Oregon's fallen firefighters to be honored on both the state and national memorials.



Members of the combined honor guard prepare to fold the flag at the Fallen Firefighter Memorial in September.

Applications to have the name of a fire service member added to the memorial may be submitted at any time, to the Oregon Firefighters Memorial Committee.

For more information about the memorial, visit the [Oregon Fallen Fire Fighters Memorial](#) online.

Fire Prevention Week materials available free

The OSFM has materials focusing on this year's Fire Prevention Week theme, "Protect your Family from Fire." Materials include information on home fire escape planning, smoke alarms, and home fire sprinklers. The materials are available free to all Oregon fire agencies.

Order materials by October 5th to ensure you receive them before the start of Fire Prevention Week, October 9th.

[Order materials online](#) from the OSFM website or contact Candice Clark at candice.clark@state.or.us or call 503-934-8266.

For more materials related to fire prevention, safety, and education, [visit the OSFM Community Education webpage](#).

From the desk of the State Fire Marshal



“... change was mandated and our staff adapted and overcame the challenge.”

– SFM Mark Wallace

The capacity to change

One of the few constants in life, including “organizational life,” is change. In my first 90 days as your state fire marshal, one of my goals was to understand our organization’s challenges, opportunities, weaknesses, and strengths before making any appropriate changes.

However, just before my arrival, the Legislature adopted the FY2011-2013 budget and it included cuts to the OSFM Community Right-To-Know program. Four staff positions were eliminated. Fortunately, there were open positions that needed to be filled in order to accomplish our mission and mandates. So, change was mandated and our staff adapted and overcame the challenge. It continues to be a work in progress but it’s important to recognize the new reality within the organization.

Those moving to new units and positions were: Terry Wolfe, Bill Brauer, and Krista Fischer from Planning and Training Assistance (PATA), to Fire and Life Safety Education/Intervention; Stephanie Stafford from Fire and Life Safety Education/Intervention, to Administration; Mark Johnston from Community Right to Know, to License and Permits; and Art Spond from License and Permits, to Fire and Life Safety.

Although forced change is difficult, everyone moved into their new role with positive “can do” attitudes; I appreciate that.

We have also recently hired Steve Candela to fill the Deputy State Fire Marshal position in McMinnville. We continue to work on filling open deputy positions in Ontario and Coos Bay, as well as other authorized, but currently open positions in the agency.

There are other positions needed to put the OSFM on the best possible footing to continue our success and move forward with our goal of being effective, efficient, and economical.

I sincerely appreciate how everyone in the organization has managed the changes as we continue to strive to provide “Premier Public Safety Services” to the citizens of Oregon.



**State Fire Marshal
Mark Wallace**

**Office of
State Fire Marshal**

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

**www.oregon.gov/OSP/SFM
503-934-8200**

Administration
ext. 211

Codes & Technical
Services
ext. 269

Community Education
ext. 236

Community
Right-to-Know
ext. 214

Data Collection & Research
ext. 273

Emergency Planning
ext. 227

Emergency Response
ext. 238

Fire & Life Safety
ext. 204

License & Permits
ext. 264

Youth Prevention
& Intervention
ext. 230

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.

OSFM working to refine IMT responses

As of the writing of this article (September 29, 2011) members of OSFM's incident management teams have been called to respond to three declared conflagrations, the North River Road Fire, Elk Fire, and the High Cascades Complex.

Unique to these three conflagration responses was the need to deploy limited numbers of team members rather than entire IMTs.

The OSFM leadership has taken a new tactic in assessing the exact need of resources depending on the scope of the conflagration, structural threat, on-scene resources, and integration into the management teams with jurisdiction over the incident.



OSFM task force members prepare to defend a residence during the High Cascades Complex in late August/early September

"We had to 'right size' and customize our response to the three conflagrations, this season," said State Fire Marshal Mark Wallace. "So far, no fire situation has warranted sending a full Type II team. In each incident, the responses we provided were the resources that were needed."

The OSFM has begun the process to formalize criteria for new, more efficient response packages when necessary. Members of all OSFM IMTs are being asked to participate in developing workable, right-sized response packages based on past incident scenarios.

"Just as in the structural firefighting world, we don't need to send a "3rd alarm" assignment to a "1st alarm" incident," said Wallace. "Since the people of Oregon are paying the bill for these mobilizations, we have the responsibility to ensure our response is effective, efficient, and economi-

cal. However, I want to assure all team members that costs are not a factor when it comes to their safety. Personnel deployments will always be able to adhere to proper work-rest ratios and proper demobilization timing."

When deploying IMTs, the OSFM's purpose is to be an effective part of a larger whole. The OSFM agency administrator and the official incident commander, designated through a Delegation of Authority, fulfill the mandate of the incident command system for "unity of command." If the OSFM and an OSFM IMT officially fill those roles, the OSFM will deploy a full team. When an incident requires OSFM resources to act in a collaborative or assistive role, deployed personnel will integrate with the existing IMT.

"Future situations will be dynamic, as must be our response," said Wallace. "I ask every IMT member to stay engaged and realize change is natural. Our IMTs and OSFM staff are experienced, capable, and equipped to meet each incident effectively. I am confident in everyone's commitment, to do what is necessary to provide premier public safety services to all Oregonians."

New notice on fireworks display permits

As a result of assistance and feedback from Oregon fire agencies, the OSFM License & Permit Section has made changes to General Display, Special Effects, and Limited Display fireworks permits.

Additional language on these permits now notifies permit holders of the local fire authorities' right to cancel fireworks displays during burn bans.

Specifically, the new wording states, "This permit is subject to cancellation by the local fire authority if a burn ban is in effect."

The OSFM License and Permit Section is asking local fire officials to advise them if a display is canceled by contacting Lori Van Dan Acker at 503-934-8274.

OSFM employee and IMT members recognized

OSFM employee Tina Toney and members of the OSFM's incident management teams were recognized recently at the OSP Foundation's Superintendent Salute event held in August at the Mt. Hood Ski Bowl.

OSP Superintendent Chris Brown presented Urban Search & Rescue Coordinator Tina Toney with the OSFM Employee of the Year Award for her efforts coordinating the US&R program, development and management of exercises and other training, and in obtaining grants to keep the program solvent. She is also responsible for the training, drill schedule, and after action report process for the OSFM Agency Operations Center.

State Fire Marshal Mark Wallace and Emergency Response Unit Manager Mariana Ruiz-Temple accepted an OSP Partnership in Service award on behalf of OSFM incident management team members who deployed three times in the past three years in support of line of duty death events.

The teams helped coordinate the planning for the procession, safety, honor guard, and service ceremonies honoring OSP Trooper Bill Hakim, Woodburn Police Captain Tom Tennant, Rainier Police Chief Ralph Painter, and Eugene Police Officer Chris Kilcullen.



Oregon State Fire Marshal Mark Wallace (left), Emergency Response Manager Mariana Ruiz-Temple, and Chief Deputy State Fire Marshal Jim Walker with the IMT award.



OSFM Urban Search & Rescue Coordinator Tina Toney displays her Employee of the Year Award with Oregon State Fire Marshal Mark Wallace.

the individuals worked for hours on end with the mission of honoring the fallen and not looking for recognition. Each of these unfortunate events has proven to show how law enforcement and fire come together in the time of need for a specific mission."

The biannual Superintendent's Salute is sponsored through donations and the Oregon State Police Foundation. The mission of the OSP Foundation is dedicated to supporting and honoring the personnel of the Department of State Police, their families, and the citizens of Oregon, through recognition, support, and educational development.

Older adult fire & fall training scheduled for November

The Office of State Fire Marshal Fire & Life Safety Education unit is providing a train-the-trainer class for the newly developed Older Adult Fire & Fall Prevention and Safety program.

According to Portland State University Population Research Center, more than 30% of Oregon's population is age 50 or over. Between 2005 and 2009, this age group accounted for 60% of fire deaths and 32% of fire injuries. In addition, falls are the leading cause of hip fractures and traumatic brain injuries among Oregon's older adults.

In response to this data, the OSFM, in collaboration with the Oregon Life Safety Team, developed *Take the Right Steps - fire and fall prevention and safety for older adults*. The program helps older adults recognize fire and fall hazards in their home and gives them preventative measures they can take to keep those incidents from occurring.

The first train-the-trainer session is scheduled for Wednesday, November 9, 2011, from 1:30-3:30 p.m. at the Office of State Fire Marshal in Salem, Oregon.

[Reserve your seat by registering online.](#) You may also request a paper copy of the registration form by sending an email to osfm.ce@state.or.us or calling 503-934-8266.

DATA Connection

News from the Data Collection & Research Unit

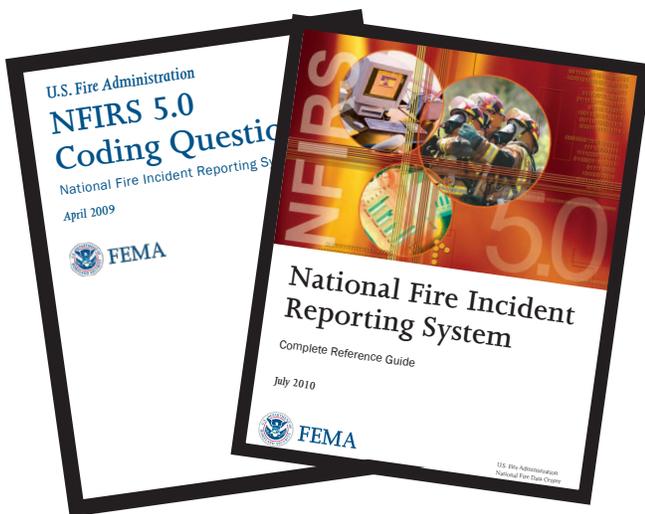
NFIRS Coding

One of the challenges with NFIRS can be how to code incidents. Knowing how to properly code incident data goes a long way in providing information that is useful from the state level to the national level. It also makes it easier to enter incident data after a call.

There are resources available to assist you when it comes to NFIRS coding. The most comprehensive resource available is the NFIRS Complete Reference Guide, which is available online.

In addition to listing available codes for each data field in NFIRS, this guide contains descriptions, definitions, and explains the purpose for each field.

The NFIRS Complete Reference Guide and the Coding Questions & Answers guide can be downloaded [here](#), or from the [OSFM Data Unit webpage](#) under Reference and Forms.



In addition to these guides, the OSFM Data Collection & Research Unit and the NFIRS Support Center are both available during normal business hours to answer your coding questions. Contact information for both can be found in the box at the top of the next column. Please note the NFIRS Support Center is in the eastern time zone and normal business hours are based on that time.

OSFM - Data Collection & Research Unit
503-373-1540 Ext. 234, 244, or 273
osfm.data@state.or.us

NFIRS Support Center
888-382-3827 - Eastern Time Zone
www.usfa.dhs.gov/fireservice/nfirs/support

NFIRS Tips

For incidents involving fire and hazardous materials/conditions or fire and EMS, use the fire codes. Always use the lowest numbered code that applies to the incident. You will have an opportunity to describe multiple actions taken later in the report.

For vehicle fires in a structure, use the mobile property codes (130-138) unless the structure becomes involved. If the structure becomes involved, the incident is considered a building/structure fire (codes 111 or 112) and the vehicle is considered contents.

For fires in buildings that are confined to non-combustible containers, use codes 113-118 of the structure fire codes when there is no flame damage beyond the noncombustible container.

When entering data, you should be as accurate and specific as possible. To do this, avoid using codes that end in "0." These are non-specific codes that have the value of "other" and should be used only when absolutely no other code can be used.

Exposures are fires resulting from another fire. In the case of buildings with internal fire separation, treat the fire spread from one separation to another as an exposure. You should not treat multiple ownership of property within a building as exposures, unless they are separated by fire-rated compartments.

Did you know?

The National Fire Academy offers a 6-day training course on NFIRS, as well as online NFIRS training. These classes are available to all fire service personnel. For more information [visit the NFIRS training webpage](#).

Questions? Please contact the Data Collection & Research Unit at 503-934-8273, or by e-mail at OSFM.Data@state.or.us.

OFMA Roundtable set for October 19 & 20

This year's annual Fire Marshals Roundtable is scheduled for October 19-20, 2011 at the Brooks Training Facility in Brooks, Oregon, just north of Salem. The two-day event offers the opportunity for fire prevention personnel from around the state to exchange ideas, discuss new technologies, and solve common problems.

A highlight at this year's event is a presentation by NFPA Consultant Bob Caputo on NFPA 13 and the technical changes from the 2007 edition to the 2010 edition.

Classes on both days are 8:30 a.m.-4:30 p.m. Cost to attend varies depending on the activities you choose. You can view the brochure and register online through the [OFMA website](#).

For more information, contact Debbie McDermott at 503-435-5809, debbie.mcdermott@ci.mcminnville.or.us; or Michael Silva at 503-823-7011, michael.silva@portlandoregon.gov.

IAAI annual awards

Oregon Chapter 31 of the International Association of Arson Investigators held their annual awards banquet September 21, 2011 at the Seaside Convention Center in Seaside, Oregon. Awards and awardees for 2011 included:

Award of Recognition (The Donald G. Petruzelli Award) – presented to Columbia River Fire and Rescue Lieutenant Jerry Cole for service rendered to the OR 31-IAAI.

Life Membership (The William S. Hood Award) – presented to Oregon State Police Administrative Assistant Gresiella Castillo and Bureau of Alcohol, Tobacco, Firearms, and Explosives Special Agent John Comery for their distinctive service to OR 31-IAAI for a minimum of 10 years.

Investigator of the Year (The Frank Herlinger Award) – presented to Albany Police Detective Dawn Hietala, for her outstanding achievement and professionalism in fire/arson investigation.

Visit the [OR 31-IAAI website](#) for more information.

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Fire grant update

by Hines Lieutenant/Grant Writer Jonathan Manski

With the help of two, week-long extensions, the overall submissions of Assistance to Firefighters Grant (AFG) projects submitted nationwide was about on par with the 2010 program. More than 16,000 applications were submitted. I'm hoping to include a breakdown of the Oregon statistics in next month's issue.

The schedule for application review, which is not easy to pin down, should have the peer review portion occurring during late October. If that is on schedule, some of you will be awarded some very nice gifts this holiday season.

The 2010 Fire Prevention & Safety denial letters were sent during the middle of September. If you haven't received one of those, that's good news and hope remains for your application. The 2011 program should come available sometime before the end of the year.

Although awards for any of the three AFG programs have slowed to a virtual crawl, or ended for 2010, some good news has been seen recently in Oregon. Roseburg Fire Department was the successful recipient of a late round of Staffing for Adequate Fire & Emergency Response funding targeting hiring - congratulations folks.

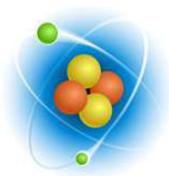
To read about the latest news [visit the AFG website](#).

Firefighter Type I training available free

Hillsboro Fire & Rescue is sponsoring S-131, Firefighter Type 1 training at Mist-Birkenfeld Fire Department in Mist, Oregon on October 15, 2011.

The free 8-hour, interactive course is designed to meet the training needs of the Firefighter Type 1. Included in the course are several tactical decision games designed to facilitate learning the objectives and class discussion.

Register by emailing Holly Payne at hollp@ci.hillsboro.or.us or by calling 503-681-3901.



Tetrahydrofuran C_4H_8O

Description:

- Synonyms: THF, tetramethylene oxide, diethylene oxide
- Colorless liquid with an ether-like odor
- BHT (butylated hydroxyl toluene) is commonly
- CAS No.: 109-99-9
- EPA Section 302 EHS: Not listed
- EPA Section 112R : Not listed
- EPA Section 304 EHS: Not listed
- OSHA PSM: Not listed

NFPA 704 Information:

- Health: 2
- Flammability: 3
- Reactivity: 1
- Special: None

Uses and Occurrences:

- Synthesized, not naturally occurring
- Uses include: industrial solvent for PVC and an ingredient in PVC adhesives
- Laboratory solvent

Reactivity and Fire Risk:

- Flash point: 6° F
- LEL: 1.8%; UEL: 11.8%
- Autoignition temperature: 610° F
- Vapor density (air = 1): 2.5
- Specific gravity (water = 1): 0.89
- Boiling point: 151° F
- Stable under normal conditions if inhibited
- Without an inhibitor, or if the inhibitor is depleted, on exposure to air forms unstable peroxides that may explode spontaneously; violent reactions with oxidizing agents can result in fires and explosions; hazardous polymerization is possible; may form unstable peroxides in storage
- Incompatibles include oxygen, acids, strong oxidizers, alkalis, and metal halides

Health Hazards:

- OSHA PEL TWA: 200 ppm; IDLH: 2,000 ppm
- Eye, skin and respiratory irritant, may cause eye burns
- Inhalation of high amounts can cause coma
- May be absorbed through the skin
- Chronic: May cause liver damage

Fire Fighting Measures:

- Extinguishing media: Water spray, foam, carbon dioxide or dry chemical
- Cool fire exposed containers with water fog
- Vapors may settle in low areas
- Vapors may ignite at distant ignition source and flash back
- May explode in a fire

2008 Emergency Response Guidebook:

- Shipping name: Tetrahydrofuran
- Hazard Classes: Flammable liquid, 3
- UN/NA: 2056; Guide # 127
- Spill: Initially isolate 150 feet in all directions
- Not listed in Table 1

2010 Oregon Fire Code: Table 2703.1.1(1)

- Class IB Flammable liquid
- Maximum Allowable Quantities (MAQ) per control area:
 - Unprotected by sprinklers or approved storage cabinets: 120 gallons
 - In sprinklered building, not within approved storage cabinets: 240 gallons
 - In unsprinklered building, within approved storage cabinets: 240 gallons
 - In sprinklered building, within approved storage cabinets: 480 gallons
- Group when MAQ exceeded: H-2 or H-3

Incident Reporting and Information:

- Facilities reporting tetrahydrofuran on the Hazardous Substance Information Survey: 18
- Hazardous materials incidents reported in Oregon since 1986: three

References:

- <http://cameochemicals.noaa.gov/chemical/1582>
- <http://www.cdc.gov/niosh/npg/npgd0602.html>
- <http://webwiser.nlm.nih.gov/getHomeData.do>
- Univar USA Inc, MSDS Tetrahydrofuran
- Fisher Scientific, MSDS Tetrahydrofuran
- Penn A Kem, MSDS Tetrahydrofuran
- EPA List of Lists, October 2006

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

Home Fire Sprinkler Coalition receives federal grant for education and outreach

The nonprofit Home Fire Sprinkler Coalition (HFSC) has received a Fire Prevention and Safety Grant to underwrite a multi-faceted U.S. educational program. Funding will help fire departments increase local activities to improve knowledge on the dangers of home fires and the value of installing home fire sprinkler systems. It will also educate home builders and others to refute common myths and increase interest in the life-saving sprinkler technology.

The funding was awarded through the Grant Programs Directorate of the Federal Emergency Management Agency. Highlights of HFSC grant include a national program to provide 50 fire departments with \$1,000 stipends to build and present educational side-by-side flashover and sprinkler demonstrations to the public. Another 50 fire departments will receive \$1,000 worth of local fire safety educational media.

HFSC will produce a new series of print, broadcast, and digital public service announcements (PSA) that will dispel the most common myths about home fire sprinklers. The PSAs can be customized so fire departments can use them online, on TV, and in movie theaters.

As part of its ongoing outreach to all those involved in new home construction, HFSC will offer a new, free, accredited online course on home fire sprinkler installations for home builders, architects, and others, and produce a multi-media Water Supply Kit with broad-based information about home system connections, meters, etc.

HFSC is enhancing its Built for Life Fire Department® Program (BFLFD), which serves as a comprehensive resource to more than 2,000 members, with free turnkey teaching tools and an online peer-to-peer community. BFLFD is open to any fire department that is committed to making home fire sprinklers a focus of local educational outreach.

To sign up for the Built for Life Fire Department Program or for more information about their grant-funded programs, visit HomeFireSprinkler.org.

Date change for National Fallen Firefighters Memorial

The National Fallen Firefighters Foundation (NFFF) has changed the date for the 2011 National Fallen Firefighters Memorial Weekend to October 14-16 in Emmitsburg, Maryland. The original date conflicted with Yom Kippur, the Jewish holiday of atonement and one of the holiest days in the Jewish calendar.

"The Foundation aims to be considerate of all major religious observations. We want to be certain that the immediate family members of those who died in the line of duty during the past year will have the opportunity to attend the Memorial Weekend and not have any scheduling challenges because of their religious observations," said Chief Ronald Siarnicki, Executive Director of the NFFF.

Traditionally, memorial weekend is scheduled for the weekend prior to National Fire Prevention Week. Future dates of the annual memorial will be examined to ensure similar challenges do not occur.

The 2011 weekend is especially poignant as it marks the 30th anniversary of the National Fallen Firefighters Memorial and follows the 10th anniversary of the tragic events of September 11, 2001. Events will be held in Emmitsburg on the campus of the National Emergency Training Center.

Unclassifieds

Position opening

Deputy Fire Chief - Hoodland Fire District

Hoodland Fire District #74 is seeking applications from qualified individuals for the position of Deputy Fire Chief. The district operates three fire stations for a population of approximately 5,700 year round residents.

The salary may start at \$80,000, but is negotiable based on qualifications and experience. Hoodland Fire District also offers an excellent benefit package. To obtain an application packet, or for more information, contact Hoodland Fire District #74, 69634 E. Highway 26, Welches, OR 97067 or email hoodland@hoodlandfire.org