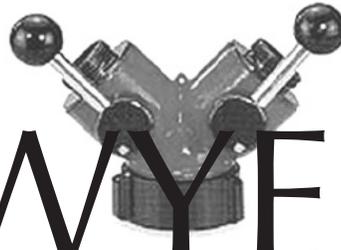


# GATED WYE



August 2014 · Oregon Office of State Fire Marshal · 4760 Portland Road NE · Salem Oregon 97305-1760 · No. 367

## OSFM's Fire Prevention Month Campaign

The Office of State Fire Marshal is pursuing a variety of fire prevention education approaches in support of the 2014 Fire Prevention Week campaign. Oregon will follow the national theme "Working Smoke Alarms Save Lives! Test Yours Every Month!"

In an effort for a more effective approach to fire safety education, the OSFM is expanding the idea of Fire Prevention Week through the entire month of October. There will be social media activities carried out on Twitter and Facebook called #TestitTuesday and #TriviaThursday, which will reach multiple audiences. This will give local fire agencies alternative opportunities to engage their communities in this year's awareness campaign.

#TestitTuesday will be promoted weekly on Twitter and Facebook, urging Oregonians to take a "selfie" photo featuring smoke alarm testing. A winner from Oregon will be chosen every week from the submissions posted to the OSFM Facebook page. Local fire agencies will be encouraged to spread the word and engage citizens with one of our culture's most widely used means of communication.

#TriviaThursday will involve a weekly smoke alarm related trivia question posted to the OSFM's Facebook page and Twitter feed during the five Thursdays of October. Winners will receive smoke alarms.

To make outreach more appealing to a wider range of audiences, this year's social media campaign will use zombie imagery as a fun social currency to get additional adult audience buy-in. Only social media materials will use the zombie imagery.

Additionally, the OSFM will encourage the use of the social media hashtag #firesafeOregon for all Oregon fire prevention education related activities and news statewide.

New or revised material available for Fire Prevention Month will include:

- Smoke alarm brochure
- Smoke alarm tips poster
- Smoke alarm FAQs
- TV and radio ads
- A new mobile billboard display featuring smoke alarms
- A Smoke Alarm Center page on our website

This year's smoke alarm theme provides an excellent opportunity for fire agencies to start a new smoke alarm installation campaign as part of OSFM's smoke alarm installation program. [More information can be found on our website.](#)

For more information about this year's Fire Prevention Month campaign and revamped smoke alarm resources, please [visit our webpage.](#)

Questions? - contact Jaime Zinck at 503-934-8233 or [jaime.zinck@state.or.us](mailto:jaime.zinck@state.or.us).



### New online fire fatality report form

The OSFM Analytics & Intelligence unit has developed a new easier to use online form for reporting fire fatalities; see page 5 for more details.



“... we continue to work with communities and stakeholders throughout the state to increase their preparedness for a variety of emergency incidents.”

– Jim Walker

## Emergency planning and response efforts continue

As Oregon continues to battle one of its most active wildfire seasons in memory, the situation naturally leads to discussing emergency preparedness and response readiness. The OSFM has a statewide role in both of these areas and we continue to work with communities and stakeholders throughout the state to increase their preparedness for a variety of emergency incidents.

In this month's column I am addressing the efforts being made by two OSFM programs directly related to this preparedness effort, our State Emergency Response Commission/ Local Emergency Planning Committees (SERC/LEPC) and the Community Right-to-Know program (CR2K).

Oregon law requires businesses and government entities report to the OSFM CR2K unit on the amounts and locations of hazardous substances at their facilities. The collected information is then provided to emergency responders and pre-planners to assist them with incidents involving hazardous materials. The information is also available to the general public to aid in their familiarity with hazardous materials located in their communities.

During the past year, the CR2K program has improved and refined the process of collecting and distributing this information. Staff have implemented new 2014 federal EPCRA reporting requirements which have a focus on pre-planning. Other efforts this year include:

- Tougher requirements to submit complete hazardous material information and not partial reports
- Tougher quality control on submitted data
- Better communication with LEPCs and emergency managers to ensure they receive good data
- Update the data sent to emergency responders as often as possible
- Decrease the time needed to fulfill a data information request

see **Walker** page 3



**Interim  
State Fire Marshal  
Jim Walker**

**Office of  
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503-934-8200**

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Codes & Technical  
Services  
503-934-8204

Fire & Life Safety Education  
503-934-8236

Community  
Right-to-Know  
503-934-8238

Analytics & Intelligence  
503-934-8273

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Fire & Life Safety  
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503-934-8240



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 email [richard.hoover@state.or.us](mailto:richard.hoover@state.or.us). In compliance with the Americans with Disabilities Act, alternative formats of this publication are available.

- Continue efforts to validate reported data through on-site inspections

Another area we are focusing on is in our SERC/LEPC program. The OSFM is the State Emergency Response Commission and we are revitalizing SERC activities in the state and ensuring continued compliance with the federal Emergency Planning and Community Right-to-Know Act (EPCRA). Here are some highlights:

- The OSFM has formed a SERC/LEPC Working Group with partners from the fire service, emergency management, and hazardous materials to assist in determining the direction of the SERC. The working group will give recommendations to the OSFM on the SERC organization, boundaries of emergency planning districts, and minimum requirements to establish an LEPC.
- SERC/LEPC staff provide outreach, support, and technical assistance to the ten current LEPCs in Oregon.
- In compliance with a USDOT Emergency Order, the SERC provided information supplied by railroads shipping Bakken crude oil through Oregon to the fire service, emergency managers, LEPCs, tribes, and hazardous materials response teams in counties where these shipments are traveling. This is another tool to help responders keep their communities prepared for an incident.
- The OSFM also made the railroad reports available to the public by putting them on the OSFM SERC webpage. As updates are received from the railroads, they will be posted to the page and distributed to first responders, emergency managers, and others as listed previously.

I am proud of the work of everyone in our agency and continue to have tremendous confidence we will continue with our successful efforts to assist all of our stakeholders and partners in emergency planning and response.

As always, I am open to your comments and ideas. Please contact Sally Cravinho at 503-934-8205 or [sally.cravinho@state.or.us](mailto:sally.cravinho@state.or.us).

## Names to be added to the Oregon firefighter memorial

**O**n July 24th the Oregon Board on Public Safety Standards and Training unanimously approved the addition of five firefighters to the State's memorial. Three of the additions are from the 2013 wildfire season; the other two are through the historic recognition process.

The names will be added to the state memorial that currently honors 163 fallen structural, airport and wildland firefighters from Oregon who have died in the line of duty on Thursday, September 18, 2014 at 1 p.m. on the campus of the Oregon Public Safety Academy, 4190 Aumsville Highway SE, Salem.

The Fallen Fire Fighters Memorial is a tribute to career and volunteer fire service personnel and their families who have made the ultimate sacrifice while protecting lives and property across the state.

The following names will be added to the Oregon Fallen Fire Fighter Memorial:

- Jesse Trader, 19 - County Fire and Security, died August 6, 2013
- John Hammack, 58 - Tree Feller, died August 1, 2013
- Oscar Montano-Garcia, 50 - Wildland Fire Fighter, died August 25, 2013
- Tony B. Chapin, 19 - Willamina Fire Department, died September 25, 1998
- Melvin Claude Richardson, 18 - Oregon National Guard, died September 6, 1935

You can [read the full press release](#) from the Department of Public Safety Standards and Training containing background information on the firefighters online.

More information on the [Oregon Fallen Fire Fighter Memorial and the names of the men and women it honors can be found online](#)

## Carbon monoxide training

The Oregon Office of State Fire Marshal, in partnership with the Consumer Product Safety Commission, is providing a series of 2-hour presentations on carbon monoxide safety and education.

Topics include carbon monoxide (CO) safety, CO sources in and around the house, symptoms of CO poisoning, Oregon statutes and rules covering CO alarms, placement in residential buildings, testing and maintenance, and educational messaging and resources.

Click the underlined link to sign up for the date you are interested in: [August 7 in Bend](#), [August 20th in Lincoln City](#), and two on August 28th in Salem, [afternoon](#) or [evening](#).

## OFMA 2014 Roundtable scheduled for September

The [Oregon Fire Marshals Association](#) will be conducting their 2014 Roundtable September 29 & 30, 2014 at the Eugene Fire Training Center in Eugene, Oregon. For more information contact the OFMA at 503-378-0896 or email [jessica@courtstreetconsulting.org](mailto:jessica@courtstreetconsulting.org).

## Northwest Residential Fire Sprinkler Summit

The Northwest Residential Fire Sprinkler Summit is scheduled for Thursday, September 18, 2014 at the Heathman Lodge in Vancouver, Washington.

The summit runs from 8 a.m. to 4:30 p.m. The keynote speaker is California State Fire Marshal Tonya Hoover. Tickets are \$50 if purchased before August 20th and includes lunch, an evening event, and conference materials. Tickets are \$75 if purchased after August 20th.

[Visit the Oregon Fire Sprinkler Coalition website for a link to a complete schedule, information, and registration.](#)

## NFPA 1035 Juvenile Firesetter Intervention I training

The OSFM, in partnership with Mid-Columbia Fire & Rescue and Fire Safe Children and Families, is hosting a free two-day course on September 10 & 11, 2014 in The Dalles, Oregon. The course is free but space is limited, [registration is required](#). For questions, contact Krista Fischer at 503-934-8240 or [krista.fischer@state.or.us](mailto:krista.fischer@state.or.us).

## NFA 1035 II class a first for Oregon

Congratulations to the 28 individuals completing the NFA Youth Firesetting Prevention and Intervention (YFPI) Level II training held June 5-6, 2014, in Salem, Oregon. It marks the first time the YFPI Level II training has ever been held in Oregon. Oregon attendees were joined in their training by fire personnel from Washington and Idaho.

The National Fire Academy training was in partnership with the Oregon Department of Public Safety Standards & Training and the OSFM Youth Fire Prevention and Intervention Program.

The two-day NFA course is designed for the person who is responsible, or will be responsible, for leading a youth firesetting prevention and intervention program for their agency.



*Front row, left to right:*

*Justin Guinan, Shaena Pelan, Wendi Colmone, Rebecca Shivers-Singleterry, Christine Hollett, Sean Mansfield, Hillary Kosmicki, Paul Jennings, Kari Shanklin, Denise Naegeli, Amber Cross, Carmen Westfall, Krista Fischer, Tressa Miller, Samantha Metheny.*

*Back row, left to right:*

*Chris Glover, Russ Jones, Brian Woodley, Tom Henke, Laird Case, Brian Murdock, Tammy Owen, Sara Blair, Alex McGladrey, David Frost, Doug Nolan, Mark Northrup, Bruce Montgomery, Sedric Ketchum (Instructor).*

# DATA Connection

News from the Analytics & Research unit  
by Fire Data Specialist Candice Clark

## New Fire Fatality Report

The OSFM has a new [Fire Fatality Report](#) form (at right). This is a web based form and can be completed directly from the internet.

A fire fatality notification must be submitted by the primary responding fire agency to the Office of State Fire Marshal within 24 hours of the death or serious injury (ORS 476.210). The online form does not replace the NFIRS Fire Report that is required to be submitted to the office within one week of the occurrence of the fire (ORS 476.220).

Sometimes fire fatalities may only be able to be determined by an autopsy. In such cases, the death should initially be reported as a fire fatality. The NFIRS Fire Report can be amended later if the medical examiner determines the death was not due to the fire. The State Fire Marshal's Office will notify the reporting agency so they can amend their report.

If you do not have access to the web and need to notify us of a death or injury, you can contact the Analytics & Intelligence Unit for a copy of the Fire Fatality Report form that can be printed, filled out by hand, and faxed to 503-373-1825.

There were 38 confirmed fire-related deaths in 2013. Of these, 22 were unintentional residential structure fires including all property types; the cause was undetermined or under investigation in 15 incidents, and one fire death was an intentionally set fire. Four deaths were non-residential fires including one that occurred in a commercial building.

The OSFM focuses its fatality data analysis on understanding the causes and circumstances of unintentional residential structure fires to combat preventable injuries and deaths.

Questions? Please contact the Data Collection & Research Unit at 503-934-8250, toll free at 877-588-8787, or email [osfm.data@state.or.us](mailto:osfm.data@state.or.us).

### Fire Fatality Report

For questions with submitting this form, please call (503) 934-8250 during regular business hours (Mon-Fri, 8am-5pm). A complete NFIRS Fire Report must also be submitted to the OSFM Analytics & Intelligence Unit in conjunction with this online report.

**Fire Agency Name \***

**FDID**

**Contact Name \***

**Contact Email \***

**Contact Phone \***  
 -  -   
### ### ####

**Incident Information**

**Date of Fire**  
 /  /   
MM DO YYYY

**Occupancy**

- One- or Two-family Dwelling
- Multifamily Dwelling
- Mobile Home
- Recreational Vehicle
- Vehicle
- Outdoor
- Other

**Detector Present**  
 Yes  No

**Detector Activated**  
 Yes  No

**If a detector was present and not activated, explain why.**

**Victim Information**

**Victim 1 Name**  
    
First Middle Last

**Victim 1 Gender**  
 Male  Female

**Victim 1 Age**

**Victim 1 Date of Birth (if available)**  
 /  /   
MM DO YYYY

**Victim 2 Name**  
    
First Middle Last

**Victim 2 Gender**  
 Male  Female

**Victim 2 Age**

**Victim 2 Date of Birth (if available)**  
 /  /   
MM DO YYYY

**Victim 3 Name**  
    
First Middle Last

**Victim 3 Gender**  
 Male  Female

**Victim 3 Age**

**Victim 3 Date of Birth (if available)**  
 /  /   
MM DO YYYY

**Victim 4 Name**  
    
First Middle Last

**Victim 4 Gender**  
 Male  Female

**Victim 4 Age**

**Victim 4 Date of Birth (if available)**  
 /  /   
MM DO YYYY

## Dive team shows its value with rescue

by Thomas Moriarity  
*The World(Coos Bay)*

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It's a heartbreaking scene straight out of a Hollywood movie — a family trapped inside a sinking boat, desperately trying to stay afloat in the last pocket of air.

In real life, that scenario all too often ends in tragedy.

But June 12, Lakeside Fire and Rescue managed to pull off the miraculous: the successful rescue of five people, including a 2-year-old child, from an overturned sailboat in Tenmile Lake.

The rescue is being seen in many public safety circles as vindication for the department's dive team, which was previously part of the North Bend Fire Department before being cut.

Word of their exploits even reached the office of Gov. John Kitzhaber.

"Your actions on June 12, 2014, in Lakeside demonstrate the depth of that professional skill, with a quick, well-coordinated response that saved the lives of five people," Kitzhaber wrote in a recent letter to the department.

That recognition means a lot to a program that's just settling into its new home after a little more than a year.

Lakeside Fire has long maintained its own watercraft, including rigid-hulled inflatable boats on loan from the federal government.

"About 85 percent of (homes in our area) are boat access only," said Lakeside Fire Chief Ted Ross.

Shortly after dispatchers sent out the call of the capsized boat, firefighters had two of the boat's five passengers safely out of the water.

The men told firefighters there were three more people still trapped inside.

While firefighters kept watch on boats from the surface, and a Coast Guard helicopter circled overhead, Dive Chief Bob Hood and fellow diver Capt. James Walker entered the water.

As they approached the capsized sailboat, they could hear screaming inside.

When he surfaced inside the boat, he found two women and a 2-year-old infant crammed into an air pocket that was no more than 3 feet wide.

As he made his way back to the surface with the child, he briefly got caught in the sailboat's rigging. There was just enough slack for him to get to the surface and hand the child to Walker.

The crew of one of the nearby fire boats pulled the two to safety via Walker's tether line.

After Walker cut Hood free of the boat's rigging, the pair repeated the operation twice more.

In short order, all five of the boat's occupants were accounted for, with four sent to Lower Umpqua Hospital for mild hypothermia.

Having all of the department's personnel working in concert — along with a Coast Guard helicopter, Coos County sheriff's deputies, Bay Cities Ambulance and helpful bystanders — kept the scene secure and the rescue operation running smoothly.

"When there's peril, people that don't normally talk come together to do amazing things," he said. "God, training and the courage to engage that ended up with the outcome that we had."

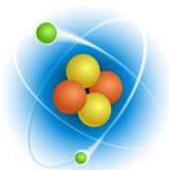
## CPSC poster contest for middle school students

The U.S. Consumer Product Safety Commission is sponsoring a nationwide carbon monoxide safety poster contest to help warn people about the dangers of CO.

The contest is open to U.S. residents in grades six, seven, or eight. Posters must be created on the student's own without help from family, friends, or others.

Entries will be posted on CPSC's website and social media sites where visitors can vote for their favorite. Entry deadline is February 15, 2015. Three winners will be selected from each grade level. One additional winner will be chosen by a public vote on CPSC's website.

The contest submission and parental consent forms are available online.



## Boron Trifluoride $\text{BF}_3$

### Description:

- Synonyms: Boron fluoride, trifluoroborane
- Colorless gas with pungent suffocating odor
- Forms dense white fumes in moist air
- CAS No.: 7637-07-2
- EPA Section 302 EHS: 500 pounds
- EPA Section 112R : 5,000 pounds
- EPA Section 304 EHS: 500 pounds
- OSHA PSM: 250 pounds

### NFPA 704 Information:

- Health: 4
- Flammability: 0
- Reactivity: 1
- Special: None

### Uses and Occurrences:

- Used as a reagent in organic chemistry
- Catalyst for many polymerization reactions

### Reactivity and Fire Risk:

- Water Reactive
- Non-flammable
- Flash point: None
- LEL: None; UEL: None
- Autoignition temperature: None
- Vapor density (air = 1): 2.4
- Boiling point:  $-148^\circ\text{F}$
- Reacts with water to give off toxic and corrosive fumes of fluorine containing compounds
- Decomposes on heating or contact with moist air to form toxic, corrosive white fumes of boric acid and hydrofluoric acid
- Incompatibles include metals, alkalis, organics, many plastics, and moisture

### Health Hazards:

- IDLH: 25 ppm
- OSHA PEL: 1 ppm or 3 mg/m<sup>3</sup> (Ceiling)
- May be fatal if inhaled
- Corrosive causing severe chemical burns to all tissues

### Fire Fighting Measures:

- Extinguishing media: Appropriate for surrounding fire
- Use appropriate chemical protective clothing
- Cylinder temp. should not exceed  $125^\circ\text{F}$

- Gas is heavier than air and may collect in low-lying areas

### 2012 Emergency Response Guidebook:

- Shipping name: Boron Trifluoride
- Hazard Classes: Toxic Gases (2.3), Corrosive Substances (8)
- UN/NA: 1008; Guide # 125 Gases-Corrosive
- Fire - Tank, railcar isolate 1 mile all directions
- Table 1 Lg Spill: First isolate 1000 feet in all directions

### 2014 Oregon Fire Code: Table 5003.1.1(2)

- Corrosive
- Maximum Allowable Quantities (MAQ) per control area:
- Unprotected by sprinklers or approved storage cabinets: Gaseous 810 ft<sup>3</sup>, Liquefied 150 pounds
- In sprinklered building, not within approved storage cabinets: Gaseous 1620 ft<sup>3</sup>, Liquefied 300 pounds
- In unsprinklered building, within approved storage cabinets: Gaseous 1620 ft<sup>3</sup>, Liquefied 150 pounds
- In sprinklered building, within approved storage cabinets: Gaseous 3240 ft<sup>3</sup>, Liquefied 300 pounds

### Incident Reporting and Information:

- Facilities reporting boron trifluoride on the Hazardous Substance Information Survey: six
- Hazardous materials incidents reported in Oregon since 1986: none

### References include:

- [Cameo chemicals – Boron Trifluoride](#)
- [Airgas Inc. - MSDS Boron Trifluoride](#)
- [Sigma-Aldrich – MSDS Boron Trifluoride](#) (Link select download MSDS)
- [Spectra Gases, Inc. – Boron trifluoride](#)
- [Praxair, Inc. – Boron Trifluoride](#)
- [EPA List of Lists, October 2012](#)
- [CDC-NIOSH Pocket Guide](#)

For questions or suggestions, contact Aleta Carte at 503-934-8262 or [aleta.carte@state.or.us](mailto:aleta.carte@state.or.us).

## Retirement

### Firefighter Mark Traux

Office of State Fire Marshal, Oregon Hazardous Materials Response Teams, HM11-Astoria

After 23 years with HM11, on July 1, 2014 Firefighter Mark Traux stepped down from the hazmat team in preparation for his retirement from the Astoria Fire Department later this year.

“Mark has been an integral part of the Oregon Hazardous Materials Response Teams Program since its inception in 1989, said Emergency Response Manager Mariana Ruiz-Temple. “His dedication and vision have been tremendous assets in shaping the policy and direction of the hazmat response program.”

“In 2012, the OSFM, along with his fellow hazmat colleagues, honored Mark with the ‘*So Others Will Succeed*’ award which exemplifies his commitment to ensuring the next generation of hazmat team members continue the good work of those who have come before. I have enjoyed working with him as a colleague and a friend and wish him the best in the next chapter of both his professional and personal endeavors,” said Ruiz-Temple.

The OSFM Hazardous Materials Response Teams Program and HM11 will miss his dedication, enthusiasm, and energy.

During his tenure on HM11, Mark has been invaluable in the growth and advancement of the team. I’m sure I join the rest of those with HM11 in saying that his efforts on their behalf and his positive, encouraging attitude will be missed.



**Mark Traux, Hazmat 11-Astoria, accepts the *So Others Will Succeed* award in 2012 from OSFM Emergency Response Manager Mariana Ruiz-Temple.**

## IAAI annual training conference in Seaside

The 36th Annual Training Conference of International Association of Arson Investigators Oregon Chapter 31 is scheduled for September 15-18, 2014, at the Seaside Civic & Convention Center.

Training curriculum includes:

- Current Issues for Fire Investigators
- Vehicle Fire Investigations
- South Carolina Homicide/Arson Case Study
- Fatal Fire Investigations
- The Behavior of Serial Arsonists

Scholarships are available; deadline to apply is August 17, 2014. Deadline for conference registration is September 1, 2014; otherwise you may incur a late registration fee.

Visit the Oregon Chapter 31 website for more information or contact Jessica Carpenter at 503-378-0595 or [jessica@courtstreetconsulting.org](mailto:jessica@courtstreetconsulting.org).

## July wildfires

Last month, Deputy State Fire Marshal Greg Davis was busy traveling throughout southern Oregon to assist with assessing many of wildfires and the possible threat to structures. Although no conflagrations were declared, a number of homes and other structures were lost due to the location of the fire starts and the speed at which the fires traveled. Photos below are by DSFM Greg Davis.

