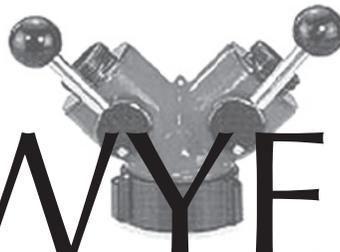


# GATED WYE



August 2011 · Oregon Office of State Fire Marshal · 4760 Portland Road NE · Salem Oregon 97305-1760 · No. 331

## Make residential fire sprinklers part of your fire prevention week message!

by Crosby Grindle, Northwest Regional Director  
National Fire Protection Association

The theme for Fire Prevention Week 2011 (Oct. 9-15) is "Protect Your Family From Fire." There are many fire safety messages relevant to this theme, but this is also an opportunity to educate the public on the value of residential fire sprinklers. The fire problem is in the home, where nationally, 76% of all fire injuries and 85% of all fire deaths occur. Despite our best efforts with smoke alarm installations and fire safety messaging, home fires do occur and at greatest risk are children five and under, adults 65 and older, and persons with disabilities – those who may not be able to get out on their own, even with working smoke alarms.

People are 83% less likely to die in potentially fatal home fires when residential fire sprinklers are present. Now that residential fire sprinklers are required in all national model codes, it's time to start reminding the public why that is.

Consider this - every time you write a press release about a residential fire, you probably include information on the presence of smoke alarms – right? What if you also include information on the presence of residential fire sprinklers? The media and public may ask – "why would there be residential fire sprinklers?" This is a great educational opportunity on the value of fire sprinklers and why they are now the national standard. Many fire departments across the country are starting to include this as part of their post-fire messaging. What if every fire department did? The public would get the message!

For speaking points on residential sprinklers visit the [fire sprinkler initiative website](#).

## Cigarette safety postcard available

In association with the SmokeFree/FireSafe partnership, the OSFM has free postcards available for educating citizens about being fire safe when disposing of cigarettes. It also provides statistics on cigarette-caused fires in Oregon.

The postcard, which has space for personalization by local fire agencies, is the product of Oregon's SmokeFree/FireSafe partnership with representatives from a host of agencies including fire and public health, and the Oregon Smokefree Housing Project funded by the Oregon Health Authority.

**Did you know?**

- Smoking is a leading cause of fire deaths, even though 83% of Oregon adults do not smoke.
- 72% of cigarette fires on home properties started outside.
- One out of every five cigarette fire deaths involves smoking while using medical oxygen.

It takes only one cigarette discarded in landscaping or potted plants to start a fire.

**SMOKE FREE FIRE SAFE**

**put cigarettes out, all the way, every time!**

- If you smoke, smoke outside.
- Dispose of your cigarette butts in sturdy ashtrays or put them out in water or sand.
- Keep medical oxygen and smoking separate.

When you (or loved ones) are ready to quit smoking, contact the Oregon Tobacco Quitline for free counseling services: 1-800-QUIT-NOW (1-800-784-8669) or [www.quitnow.net/oregon](http://www.quitnow.net/oregon)

Use a QR Reader App on your Smartphone to go directly to our website.

Provided by the Oregon Office of State Fire Marshal, Your Local Fire Agency, and the Oregon Smokefree Housing Project funded by the Oregon Health Authority

If your agency would like copies of the postcard please call 503-934-8266 or email [osfm.ce@state.or.us](mailto:osfm.ce@state.or.us). You can also request postcards through our [online order form](#).

# From the desk of the State Fire Marshal



Over the next few months, I intend to reach out to, visit, and meet with fire service organizations throughout the state.

– SFM Mark Wallace

## Excited to get started . . .

First, I want to thank Oregon State Police Superintendent Chris Brown, Deputy Superintendent Rich Evans, the OSP Command Staff, and all of the fire service partners for providing me the opportunity to serve as your state fire marshal. It is a tremendous honor and a great opportunity to follow in the footsteps of my predecessors.

During the interim, Chief Deputy State Fire Marshal Jim Walker did a great job in an especially challenging period. Together, we are committed to form a solid partnership and a collaborative team to create future excellence in all aspects of the OSFM.

I have begun meeting with each member of the OSFM staff in an effort to get to know them and the “Premier Public Safety Services” they provide in their area of expertise. At the same time, I am working to build positive and effective relationships with the leadership and my counterparts in the Oregon State Police so I can effectively represent the fire service. The newly revised OSP organizational chart places the OSFM in Public Safety Services led by Major Lujan.

My next priority is to meet everyone and build positive relationships with the partners, collaborators, contributors, and constituents of the Oregon fire service. Over the next few months, I intend to reach out to, visit, and meet with fire service organizations throughout the state.

I look forward to partnering with all of you as we continue to work for the protection of Oregonians, their property, and the environment from fire and hazardous materials.



**State Fire Marshal  
Mark Wallace**

**Office of  
State Fire Marshal**

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

**[www.oregon.gov/OSP/SFM](http://www.oregon.gov/OSP/SFM)  
503-373-1540**

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

## OSFM seeks examples of fireworks education and enforcement efforts

The Office of State Fire Marshal is requesting Oregon fire agencies to submit examples of recent fireworks safety campaigns and enforcement actions. The OSFM will highlight submissions in future editions of the Gated Wye and post them to the OSFM website.

“As in past years, we want to recognize the growing efforts of fire and law enforcement agencies and their efforts to improve fireworks safety education and compliance,” said License and Permit Manager Anita Phillips. “These examples may help other agencies in planning their own prevention and compliance efforts.”

Please submit your education and enforcement examples to Lori Van Dan Acker at [lori.vandanacker@state.or.us](mailto:lori.vandanacker@state.or.us) or 503-934-8274.

## Juvenile Intervention Specialist 1 training

This class prepares fire service personnel for completing the Department of Public Safety Standards and Training Task Book for National Fire Protection Association 1035 certification as Juvenile Firesetter Intervention Specialist 1 in Oregon. All participants will receive a certificate of completion indicating 14 hours of professional development training.

Date: August 17th & 18th, 2011

Time: 8:30 a.m. - 4:30 p.m.

Location: Tualatin Valley Fire & Rescue Training Ctr.  
12400 SW Tonquin Road  
Sherwood, Oregon

For more information, contact Judy Okulitch at 503-934-8230 or [judy.okulitch@state.or.us](mailto:judy.okulitch@state.or.us).

### REMINDER

You can [visit the OSFM's Fire Prevention Week webpage](#) for fire safety information and education resources.

## OSFM new employees

### Mariah Spradlin-Crater

Program Assistant  
Emergency Response Section

Mariah grew up in Genesee, Idaho and attended the University of Idaho from 2004-2009. While there she worked as a supervisor and office assistant for the Social Science Research Unit.

After earning her psychology degree she lived briefly in West Virginia before settling in Oregon. Her interests outside of work include hiking, camping, and travel.

“I have learned so much in my first six months at OSFM,” says Mariah. “I’m so excited to have this opportunity to get to know the ins and outs of emergency response in Oregon.”



### Becky Oberfoell

Program Assistant  
Emergency Response Section

Becky grew up in Albany, Oregon and earned her Bachelor of Arts in Anthropology from Willamette University in Salem.

Before joining the OSFM team in November, Becky worked in the private sector in the cable advertising industry, and in title and escrow. Off the clock, she enjoys collecting and playing records, sewing, baking, and reading.

“I’m very glad to be part of the Emergency Response Section and excited to learn all I can in my new position with OSFM,” says Becky.



## Older adult safety brochures available

The Office of State Fire Marshal's Community Education Section, in partnership with the Oregon Life Safety Team, has brochures available aimed at reducing fire and fall injuries and fatalities in Oregon's older adult population.

According to Portland State University Population Research Center, more than 30% of Oregon's population is age 50 and over. And, in the five-year period from 2005-2009, this age group accounted for 60% of fire fatalities in Oregon. In addition, falls are also the leading cause of hip fractures and traumatic brain injuries among Oregon's older adults.

You can view the new brochures by clicking the underlined text or the images.

[Take Steps to Prevent Fires](#)



[Take Steps to Prevent Falls](#)

Use the [online order form](#) for these and many other fire prevention and safety education materials.

For more information contact Candice Clark at 503-934-8266 or [candice.clark@state.or.us](mailto:candice.clark@state.or.us).

## Bend Fire Department reaching out for senior safety

As of July, the senior population in Bend Oregon has been receiving a new educational service, thanks to a collaboration between the Bend Fire Department, Central Oregon Council on Aging, and financial sponsor Cascade Natural Gas. The Bend Fire Department has trained nine senior volunteers for a new safety outreach program called Safety Outreach for Seniors (SOS).

"Our senior volunteers will identify and assess homes of seniors, who live independently, for fire and fall hazards. Then they will use the new older adult fire and fall prevention curriculum, developed by the Office of the State Fire Marshal, to help educate and prevent fires and fall injuries to our older adult population" says Bend Deputy Fire Marshal Susie Lovisco. "These extraordinary individuals bring an array of experience and talent to the table, such as emergency disaster management, home health care and physical therapy."



*Left to right - Sue Potje from Cascade Natural Gas and SOS volunteers Kay Batchelor, Peg Garcia, Russ Chase, and Westin Webre (partly obscured) discussing some of the fire and fall hazards found during a home inspection.*

Using the new fall and fire checklists, the goal of volunteers is to assess at least one home per week for the remainder of 2011. Once completed, they forward their results to the Bend Fire Department. Department personnel will then connect with those seniors living independently, providing them with the resources to help prevent falls, along with standard smoke alarms or alarms designed for the deaf and hard of hearing, and fire extinguishers.

Bend Fire Department's objective is to measure the effectiveness of the pilot program and expand the SOS program using future grants.

## DATA Connection

News from the Data Collection & Research Unit

### Why report incidents to the state?

The fire service, Office of State Fire Marshal, and outside agencies all have critical needs for timely incident data:

- Your department can use the data to determine standards of cover, which includes measuring the effectiveness of operations, identifying problems, improving resource allocation for combating fires, and identifying training needs. By analyzing your incidents and examining trends, you can answer several questions, such as: How are our response times doing? Why are an unusual amount of fire service injuries occurring? Is an education program needed to reduce fires of a particular cause? The data helps to measure effectiveness of your operations, and is required if your agency wants to apply for grants.
- The OSFM and outside agencies use incident data to identify and support changes in fire and building codes, and address consumer product recalls.
- Every fire chief is required to provide the OSFM with a full report of every fire occurring within his or her jurisdiction (ORS 476.210). When a fire is of undetermined or suspicious origin, or involves a death or serious injury, the investigator must report it to the OSFM within seven days of the incident (ORS 476.220). This allows the OSFM to respond to requests for information regarding recent incidents.

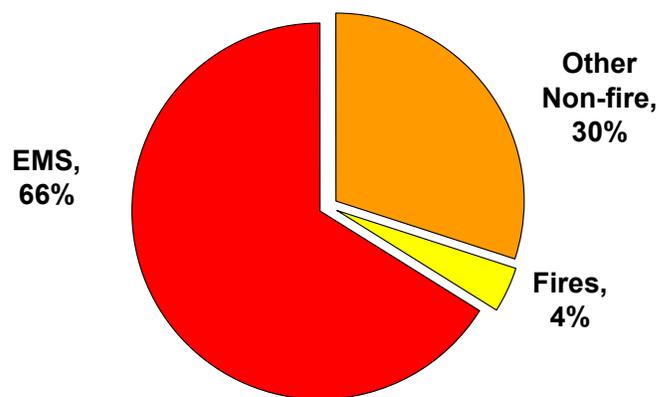
**“For the fire service to be effective today, the need for good documentation is crucial for showing its worth in this time of budget constraints and cuts.”**

– Marion A. Long,  
National Fire Data Center,  
U.S. Fire Administration

Your department's data is an important part of the Oregon fire picture, portrayed each year in the OSFM annual report. It's also submitted to the National Fire Incident Reporting System's national database, to be included in the overall U.S. fire analysis.

Vital decisions are made based on the information you provide. The OSFM uses your department's data to identify trends that threaten lives and property across the state. Reporting accurate and timely data allows us to develop strategies early on, to combat these trends. Not reporting, or not reporting timely could lead to incidents that otherwise might have been prevented.

**Statewide incident types reported  
January - June 2011**



Fire department incident data is also used to market the importance of what the fire service does, thereby ensuring that those inside and outside the industry will better understand the role of the fire service and its value. This translates into more resources and financial support for the fire agency. If the data is not provided or is inaccurate, agencies may struggle to justify budgets, resources, and their overall value.

We appreciate your attention to complete, accurate, and timely incident reporting. It makes all the difference!

Questions? Please contact the Data Collection & Research Unit at 503-373-1540 or by email at [OSFM.Data@state.or.us](mailto:OSFM.Data@state.or.us).

## OSFM educational resources available for loan

The Office of State Fire Marshal has a number of resources available to any fire agency in the state to assist with fire safety and awareness campaigns.

This is a great opportunity for agencies with limited budgets to enhance their education efforts during fire prevention week or any other time of the year.

The OSFM has updated their mobile billboard to include a message reminding families to have a home fire escape plan. The opposite side of the mobile billboard reminds them to have a working smoke alarm.

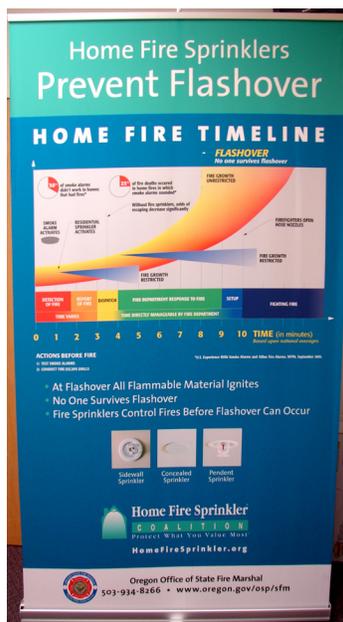
The lightweight trailer may be towed by any properly equipped vehicle.



Also available is a freestanding banner with a message promoting home fire sprinklers.

The banner measures four feet wide by eight feet tall and retracts into its own protective metal case.

To request any OSFM resource email [osfm.ce@state.or.us](mailto:osfm.ce@state.or.us) or call 503-934-8266.



## Fire grant update

by Hines Lieutenant/Grant Writer Jonathan Manski

The U.S. Department of Agriculture sponsored Volunteer Fire Assistance (VFA) grant program has awarded all of the available \$496,000 to 43 rural Oregon fire departments. These funds provide a wide variety of needed equipment, personal protective equipment, communication devices, etc., to meet both wildland and structural firefighting needs.

Of the U.S. Department of Interior programs, Rural Fire Assistance (RFA) and Ready Reserve (RR), only the RR received funding at about \$1.2 million nationwide. From this point forward, I suspect these fire assistance programs will continue to get less funding as federal spending receives tighter scrutiny in the future. So, don't be surprised to see some of the funding you have gotten used to receiving, start to fade away.

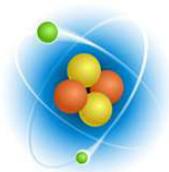
Folks not scoring well in the 2010 SAFER program should have received a grant denial letter in late July. The scoring of those SAFER projects is similar to what will occur in the 2011 Assistance to Firefighter Grant (AFG) program, 50% computer, 50% peer review.

Speaking of scoring, the 2011 AFG will require you to write a lot more narratives than you have in the past. Each activity you enter in the "Request Details" portion of the application will require four narrative statements: Project Description, Cost Benefit, Statement of Effect, and Additional Information. The "Financial Need" narrative will now appear only once in the "Department Characteristics" section.

The moral of the story is proper preparation. I would not want to try and beat the buzzer at the last minute, hoping it all goes well in the last hours of the grants' open period.

Now, with the collective patience of three dogs that haven't eaten in four days, we simply wait for the posting of the program guidance and program opening notification. Good luck.

Visit the [FEMA grant website](http://www.fema.gov) for the latest information.



# Thionyl Chloride $\text{SOCl}_2$

## Description:

- Synonyms: Sulfonyl chloride, sulfurous oxychloride, thionyl dichloride
- Clear, may be colorless to pale yellow or reddish liquid with a pungent suffocating odor
- CAS No.: 7719-09-7
- EPA Section 302 EHS: Not listed
- EPA Section 112R : Not listed
- EPA Section 304 EHS: Not listed
- OSHA Process Safety Management (PSM): 250 pounds/18 gallons

## NFPA 704 Information:

- Health: 4
- Flammability: 0
- Reactivity: 2
- **Special: Water Reactive**

## Uses and Occurrences:

- Manufactured, not naturally occurring
- Used in organic synthesis
- Used in production of intermediates and pharmaceuticals

## Reactivity and Fire Risk:

- Stable in sealed containers
- **Forms sulfur dioxide and hydrogen chloride gases on exposure to moisture**
- Emits dense corrosive fumes on contact with moist air
- **May liberate flammable hydrogen gas on contact with metals**
- Containers may explode if heated or contaminated with water
- Specific gravity: 1.64 (water is 1)
- Vapor density: 4.1 (water is 1)
- Boiling point: 169° F
- Contact with strong oxidizers may cause fire
- Incompatibles include: Water, ammonia, metals, acids, bases and alcohols

## Health Hazards:

- OSHA PEL: none (TWA)
- Immediately Dangerous to Life and Health (IDLH): Not given; 50 ppm (hydrogen chloride), 100 ppm (sulfur dioxide)
- **Corrosive to contact area causing severe burns**
- **May be fatal if inhaled**

## Fire Fighting Measures:

- Extinguishing media: Carbon dioxide, dry chemical, or dry sand
- Do not use water or foam
- Cool fire exposed containers with flooding amounts of water fog
- Vapors may be heavier than air
- Vapors may spread along the ground and collect in low areas

## 2008 Emergency Response Guidebook:

- Shipping name: Thionyl chloride
- Hazard Classes: Corrosive, 8
- UN/NA: 1836
- Guide # 137 Water Reactive - Corrosive
- Spill: Initially isolate 150 ft in all directions
- Table 1 Large spill: Isolate 300ft all directions

## 2010 Oregon Fire Code: Table 2703.1.1(1)

- Water reactive Class 2
- Maximum Allowable Quantities (MAQ) per control area:
  - Unprotected by sprinklers or approved storage cabinets: 50 pounds
  - In sprinklered building, not within approved storage cabinets: 100 pounds
  - In unsprinklered building, within approved storage cabinets: 100 pounds
  - In sprinklered building, within approved storage cabinets: 200 pounds
- Group when MAQ exceeded: H-3

## Incident Reporting and Information:

- Facilities reporting thionyl chloride on the Hazardous Substance Information Survey: two
- Hazardous materials incidents reported in Oregon since 1986: two

## References include:

- [CAMEO online](#)
- Mallinckrodt-Baker, MSDS Thionyl chloride
- Acros Organics, MSDS Thionyl chloride
- Airgas Inc., MSDS Hydrogen chloride
- NIOSH Pocket Guide 11/18/2010
- 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](mailto:aleta.carte@state.or.us)**

## Fire & life safety recognition



*Corvallis Fire Prevention Officer Carla Pusateri, flanked by Corvallis Fire Chief Roy Emery (left) and Supervising Deputy State Fire Marshal Bob Wright, displays her Oregon Fire Marshal certificate.*

## Company Inspector training available in September

The Office of State Fire Marshal, in partnership with the Jacksonville Fire Department, is hosting Company Inspector training on modules 1 through 4, September 17, 2011, at the Jacksonville Fire Department in Jacksonville, Oregon.

Company Inspector modules 1 through 4 cover the following areas:

**Module 1** relates to a company inspector's scope of authority in performing inspections, liability, and responsibilities.

**Module 2** relates to fire service access and means of egress as found in the Oregon Fire Code.

**Module 3** covers general provisions of fire protection, fire protection systems, and electrical hazards as found in the Oregon Fire Code.

**Module 4** relates to the general provisions of housekeeping and hazardous materials.

The class also provides basic knowledge on preparing for and conducting a company inspection, reinspection, and maintaining files and records.

Registration deadline is September 1, 2011. [Register online through iLearnOregon.](#) If you need assistance registering through iLearnOregon, contact Anita Horsley at 503-934-8249 or email [anita.horsley@state.or.us](mailto:anita.horsley@state.or.us).

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## Law enforcement memorial auction set for August 27th

An auction to raise money for a proposed Oregon State Police fallen trooper memorial is scheduled 2–5 p.m., Saturday, August 27, 2011, at the Monarch Hotel in Clackamas, Oregon. The memorial will be located outside the OSP Salem headquarters.

Tickets are \$15 each. Hors d'oeuvres will be served and drinks will be available for purchase. Contact Chris Schinnerer at 503-691-4895.

....REMEMBERING OUR FALLEN....



## OREGON FALLEN FIRE FIGHTERS MEMORIAL

SEPTEMBER 15, 2011 AT 1:00 PM

OREGON PUBLIC SAFETY ACADEMY  
4190 AUMSVILLE HWY SE  
SALEM, OREGON 97317

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## For Sale

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Mid-Columbia Fire & Rescue is accepting sealed bids for their 1998 Chevrolet, Type I Med Tec Ambulance. GMC 3500 6.5 liter turbo diesel engine, Insta-Trac 4X4 transfer case, speed sensitive power steering, four-wheel anti-lock brakes, and more.

Minimum bid is \$4,500. Bid closes Wednesday, August 10, 2011 at 4:00 p.m. Contact Deputy Chief Jay Wood at 541-296-9445.