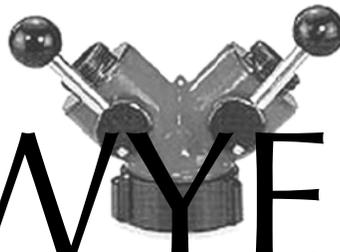


GATED WYE



January 2016 · Oregon Office of State Fire Marshal · 4760 Portland Road NE · Salem, Oregon 97305-1760 · No. 385

OSFM calling for Sparky award nominations

The Office of State Fire Marshal has opened the nomination period for the Golden and Silver Sparky awards. The nomination period closes February 12, 2016.

The Golden Sparky recognizes a fire service member or fire agency for outstanding achievement in fire prevention or public safety education. The Silver Sparky recognizes a civilian or a civilian agency in either of the same categories.

Please submit your completed [nomination form](#) with an explanation and examples of the nominee's achievements. Additional award submission information is included on the nomination form.

State Fire Marshal Jim Walker will present the awards during the OFMA Annual Conference in March.

For more information, contact Sally Cravinho at 503-934-8205 or sally.cravinho@state.or.us.

First two new hazmat heavy rescue vehicles set for delivery

The OSFM coordinates 13 Regional Hazardous Materials Response Teams strategically positioned throughout Oregon. This program is a partnership with local governments, the OSFM, and industry representatives to create a program that is both economical and successful.

The OSFM provides the emergency response apparatus, equipment, training, and overall coordination of the hazmat program, while the fire departments provide the staffing and commitment to the program. These teams respond to a wide range of hazmat incidents which can become very complex, dangerous, and at times unpredictable. Taking a proactive approach by providing the best tools available for the job is a necessity.

Currently, teams are assigned a tractor-trailer type apparatus which are, in some cases, more than 15 years old. Not only are these aging apparatus becoming costly to repair, newer body styles



The first two of 13 new hazmat heavy rescue vehicles will be delivered to the Eugene and Hermiston fire departments by the end of January.

now provide the same equipment space, eliminating the need for a trailer type set up. These new chassis are called rescue style and are equipped with the most current technologies, are user friendly, and more maneuverable.

From the desk of the state fire marshal



Some of our goals are aggressive, but we like to challenge ourselves . . .

- Jim Walker

2016 – What’s in store?

Well, here we are at the beginning of a new year. I hope everyone had a pleasant and relaxed holiday, and you were able to have some quality time off with family and friends.

As our staff here at the OSFM ramps back up to speed, we are committed to carrying our momentum forward from 2015 into the new year.

Each OSFM branch and program have established goals for 2016, here are a few highlights.

Our Fire and Life Safety Services branch is focused on improving internal and external communications, the quality of services, and effectiveness of those services. They intend to accomplish these primary goals with the following objectives:

- Determining what will be the essential level of fire and life safety services to be provided to all local fire authorities and state agencies. Each deputy state fire marshal will be meeting with their respective local fire authorities to develop formal plans of cooperation, detailing the level of support the OSFM will provide to that authority. Services will then be prioritized with each deputy’s workload to satisfy the agreed level of support.
- Complete a top-to-bottom review of their Centers for Medicare and Medicaid contracted services and the methods of providing this service, and updating or changing procedures to meet the needs of customers.
- Complete review of the OSFM Exempt Jurisdiction process and status to identify opportunities for OSFM service improvement.
- Review the OSFM Competency Recognition Program for process improvement and training support.

Our Community Right to Know unit will continue with implementation of its online reporting project which will allow facilities to submit their hazardous substance information electronically as

see **Walker** page 3



**State Fire Marshal
Jim Walker**

**Office of
State Fire Marshal**

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**www.oregon.gov/OSP/SFM
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Fire & Life Safety Education
503-934-8236

Community
Right-to-Know
503-934-8214

Analytics & Intelligence
503-934-8273

Emergency Response
503-934-8238

Fire & Life Safety Services
503-934-8256

License & Permits
503-934-8214

Youth Prevention
& Intervention
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. In compliance with the Americans with Disabilities Act, alternative formats of this publication are available.

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well as allow responders and planners to retrieve the data much easier.

The Fire and Life Safety Education branch will continue its push to decrease fire deaths, injuries, and property loss by developing new effective public education messages and campaigns and gaining wider distribution of those messages and campaigns through improved partnerships with Oregon fire agencies. A second goal, as part of this effort, is to increase the number of working smoke alarms in Oregon homes by enrolling at least 10% of Oregon fire agencies into the OSFM Smoke Alarm Installation Program, and have them complete a 90% installation rate in at-risk homes in their respective jurisdictions. The branch will also expand our partnership with the Oregon Department of Forestry and Keep Oregon Green on developing and implementing new educational messaging and programs on wildland/urban interface wildfire prevention and awareness.

Some of these goals are aggressive, but we like to challenge ourselves and we look forward to your support and input on our efforts.

hazmat vehicles

continued from page 1

Through collaboration with industry leaders and hazmat team members, the OSFM created a vision for the apparatus to fit current and future needs. After more than a year of planning and development, the OSFM will deliver the new apparatus to the Hermiston and Eugene hazmat teams in January.

The vehicles have a full, walk-through body to aid communication between front and rear team members, secured seating for 10 personnel, two desk stations, a slide out, and equipment storage. Also included is a 15kV generator (powers entire vehicle and all systems), on board weather station, satellite system (full internet access), insta-chains (no manual application), telescoping light tower (20 ft. high), and more. These rescues will be fully self-sufficient and capable of handling small to large scale hazmat incidents.

Hazmat teams will be receiving these new apparatus at the rate of two teams every biennium.

Fire prevention workshop registration now open

Online registration is now open for the 2016 Oregon Fire Prevention Workshop. The workshop is February 17–19, 2016, at Kah-Nee-Ta Resort in Warm Springs, Oregon.

The workshop will provide structural and wildland fire prevention and safety education sessions and networking opportunities. There are 17 sessions to choose from, including topics such as hoarding, fire and fall prevention, campus fire safety, and transients and wildland fire risk.

Cost

- Early Bird Registration - \$125 (which includes Wednesday dinner, Thursday breakfast, lunch, and dinner, Friday breakfast)
- Full Registration - \$150 (which includes Wednesday dinner, Thursday breakfast, lunch, and dinner, Friday breakfast)
- One-Day Registration (Thursday only) - \$75 (which includes Thursday breakfast, lunch, and dinner)
- Half-Day Registration (Wednesday or Friday) - \$50 (which includes Wednesday dinner or Friday breakfast)

Important Dates

January 15, 2016 – Early Bird Registration Ends

February 1, 2016 – Registration Closes

Online Registration

Visit our [online registration site](#). Please note that though you register online, payments must be processed by phone. To pay for your registration, please call OSFM Program Assistant Bethany Emmert at 503-934-8366. Visa and Mastercard payments only. An invoice will be provided for your records, and you will receive a confirmation email.

Lodging

Please contact the resort directly to make your reservations and ask for the workshop rate of \$79 plus a 12% tribal government fee (\$15 resort fee waived). Call 1-800-554-4786 or [visit their Web page](#). For online bookings, use the discount code 25N9HZ.

Central Oregon community continues wildfire mitigation efforts

Two years ago, the Three Rivers Recreational Area (TRRA), a 650 lot residential community adjacent to Lake Billy Chinook in central Oregon, worked with the Oregon Department of Forestry and Lake Chinook Fire and Rescue to complete a wildfire hazard assessment and develop a plan to address fire safety and wildland fuel load concerns. The past several years, residents have been on various levels of evacuation alerts due to wildfires threatening their community.

Last year, the TRRA budgeted funds for wildland fuels reduction. These funds allowed the TRRA to capture matching funds from the Jefferson County Fuels Reduction Program and ODF for fuels mitigation work.

"I wanted our community to be recognized for taking seriously the need to be fire safe in central

Oregon" said Penny Lippold, chairperson of the Three Rivers Firewise Program and board member of the Three Rivers Recreation Area Land Owners Association. Due to its efforts, the community has been recognized as a Firewise Community since 2013 by the National Fire Protection Association's Firewise Communities program.

Recognizing that the community remains at risk, residents continue to work to implement the plan by limbing up or removing trees and brush near homes. They have also been creating evacuation safe areas should egress from the subdivision be hampered. Residents recently created a safer designated evacuation area in a neighborhood adjacent to the community airfield. The work had the secondary benefit of improving flight safety. Pilots are now better able to see wildlife encroaching on the runway.



Members of the TRRA work to create a safer designated evacuation area in one of their neighborhoods.

January 27 is Fire Service Appreciation Day

In 2007, the Oregon Legislature passed House Joint Resolution 25 designating every January 27 as Fire Service Appreciation Day in Oregon.

As part of the resolution, the Legislative Assembly and the OSFM encourage partnerships between citizens and the Oregon fire service to use this day to honor the service of past and present members of the fire service.

State Fire Marshal Jim Walker encourages fire agencies to send in photos and a description of the event your community holds so we can recognize it in a future issue of the Gated Wye newsletter.

Contact Rich Hoover at richard.hoover@state.or.us or 503-934-8217.



OSFM Task Force Leader Symposium

Registration is now open for the 2016 OSFM Task Force Leader Symposium February 23 & 24, at the [Valley River Inn](#) in Eugene, Oregon. A limited number of lodging scholarships are available.

The training is intended for current task force leaders, assistants, and those expected to fill those roles in 2016.

Topics include: structural prep and triage, social media, burnout operations, processes and procedures, tips of the trade, and radio 101.

[Register online.](#) For more information, contact Mariah Rawlins at 503-934-8293 or mariah.rawlins@state.or.us.

DATA Connection

News from the Analytics & Intelligence Unit
by Program Coordinator Dave Gullede

It's that time of year again!

All National Fire Incident Reporting System reports for 2015 need to be entered into Fire Bridge (or text files submitted to the OSFM) by January 31, 2016.

NFIRS reports with 100% validity are submitted to the National NFIRS database. However, reports with less than 100% validity can and will be used at the state level for analysis. Please enter/submit your reports even if they are not complete. Reports can be corrected and updated with additional information at any time.

A sincere thank you goes out to all of those who have taken the time to capture, enter, and submit their agency's incident data. Your efforts are not only truly appreciated, but they do make a difference!

Fire Bridge™ upgrade

The state's online incident reporting system, Fire Bridge™, is in the process of being upgraded to a new platform called Elite. The new Elite platform will make the system more powerful and user friendly. Data entry fields will be designed in a way that will be easier to navigate, the system will fully function on any operating system including mobile devices and tablets, and local agencies will be able to customize run forms to meet their needs and preferences.

The Oregon Health Authority's EMS & Trauma Systems rolled out patient care run forms on the Elite platform in July, 2015. These are the forms that are completed when providing patient care. The NFIRS run form is currently being worked on and will be rolled out in January 2016. This is the form that should be completed by a fire agency any time it responds to an incident, including EMS calls.

The new NFIRS run form will have all the same fields as it does in Fire Bridge™ and it will still be compliant with current NFIRS standards. A standard NFIRS run form will be provided within the system, but the new NFIRS run form will have

improved functionality making it easier to use and navigate whether using a desktop computer, a smartphone, or a tablet. As mentioned earlier, local agencies will also be able to design their own NFIRS run form in Elite if they prefer.

Throughout 2016, all the additional components of Elite will be coming online, such as training, activities, and inventory modules. In the end, all of the data, tools, and functions of Fire Bridge™ will be available in Elite. All information entered into Fire Bridge™ will transfer over to Elite, so no information will be lost.

As the NFIRS run form is rolled out in Elite, staff from the OSFM will be travelling across the state to provide training on the redesigned form and the new Elite platform. Plenty of training opportunities will be made available.

Less than 20% of Oregon's 315 fire agencies currently use reporting software other than Fire Bridge™. For the agencies currently using Fire Bridge™, there is no need to worry about learning a new system. You will find Elite to be much easier to use and navigate and it will even run faster because of the updated programming the vendor, Image Trend, has applied.

Image Trend has been working on developing the Elite platform for the past few years in an effort to build a much better product. A lot of thought and effort has been put into ensuring its success. This is by no means a spur of the moment attempt to stay on the cutting edge of technology. Several states and local agencies across the country have converted to the Elite platform and the feedback has consistently been positive.

As more information about Oregon's transition to Image Trend's Elite platform becomes available, the OSFM will communicate it to our fire service agencies.

If your agency has questions about this transition, please contact the OSFM's Analytics & Intelligence Unit.

Questions? Please contact the Analytics & Intelligence Unit at 503-934-8250, toll free at 877-588-8787, or email osfm.data@state.or.us.

Seaside Fire holds unique holiday open house

by Seaside Fire and Rescue Division Chief Chris Dugan

On December 12th, Seaside Fire and Rescue hosted a *Sensory Friendly* open house at their station. For two hours, Seaside firefighters welcomed families and their children that have sensory processing difficulties, autism, or other conditions to tour the fire station in a non intrusive atmosphere.

The idea of hosting such an event came about when one of Seaside's firefighters brought his autistic child down to hang out with firefighters on duty. In his visit firefighters discovered it was challenging to work or communicate with the child in an atmosphere that was sensitive to him.

After a little research, firefighters learned that they needed to make a few adjustments around the station. First off, they had to regulate the noise around the station. Dispatch was notified to make emergency calls though the radio and that the radio's volume needed to be turned down during



Kids meet Sparky the Fire Dog at a special sensory-friendly open house put on by Seaside Fire and Rescue.

the open house. Apparatus used for responses would be staged outside away from where the tour was to take place. When a call was dispatched for an emergency, the apparatus when leaving would wait to turn on warning devices. Many of the lights at the station needed to be turned off or down. The ladder truck extended out its ladder for the presentation before any families arrived to help minimize noise. There were no flashing lights and no equipment running while the families were in the station for the open house.

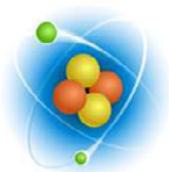
Different areas around the station were set up for different activities. One activity was the EMS station, where firefighters explained why vital signs were taken during a medical emergency. As firefighters practiced with the kids, parents explained to firefighters the best way to approach and interact with special needs children. This helped both families and firefighter learn from each other's actions.

Additionally, one firefighter dressed in full turnout gear, while another explained each piece of equipment used. Kids could hear him breathe while in his SCBA. Before he took his gear off, the firefighter gave each child enough time to come to him (if the child was comfortable) to touch and feel his gear. Again, this helped both families and firefighter learn from each other's actions and reactions.

A big thank you to Steven Zamora and Warrenton Fire Department for providing Sparky the Fire Dog, NFPA's official mascot and spokesdog on fire safety. Steven is a volunteer for Warrenton Fire Department and an employee with Medix Ambulance Service.

Although only a few families participated in this unique open house, all families were tremendously supportive of the concept of a sensory-friendly open house. The feedback Seaside fire crews received from parents was how it's almost always impossible to have their children experience a tour or activity with other children involved because of their sensitivity to noise and bright lights. For example, just a visit to sit with Santa Claus is virtually always out of the question.

Seaside Fire and Rescue is already planning a similar event for next December.



Chloroform CHCl_3

Description:

- Synonyms: Trichloromethane, R-20
- Colorless liquid with a sweet odor
- CAS No.: 67-66-3
- EPA Section 302 EHS: 10,000 pounds
- EPA Section 304 EHS: 10 pounds
- EPA Section 112R : 20,000 pounds

NFPA 704 Information:

- Health: 2
- Flammability: 0
- Reactivity: 0
- Special: None

Uses and Occurrences:

- Produced naturally by some seaweed and fungi, most produced industrially
- Used as a solvent in NMR spectroscopy and as a precursor in production of Teflon

Reactivity and Fire Risk:

- Stable under normal conditions
- Non-Flammable
- Flash point: Not Applicable
- LEL: NA; UEL: NA
- Autoignition temperature: Not Applicable
- Vapor density (air = 1): 4.12 – 4.32
- Specific gravity (water = 1): 1.48
- Boiling point: 141.8 - 143° F
- Slightly soluble in water
- Dissolves in water to form hypochlorous acid which decomposes on standing to chlorine, oxygen and citric acid
- Explodes in contact with aluminum or magnesium powder or with alkali metals
- Incompatibles include, strong bases, strong oxidizing agents, chemically active metals

Health Hazards:

- IDLH: 500 ppm
- LD50 oral: 444 – 695 mg/kg (rat)
- Causes serious eye irritation
- Causes skin irritation
- Depresses the nervous system
- Suspected human carcinogen
- Probable oral lethal dose for humans is 0.5 to 5 g/kg (between 1 ounce and 1 pint) for a 150 pound person

Fire Fighting Measures:

- Extinguishing media: Appropriate foam, dry chemical, carbon dioxide, water fog
- Use water spray to cool unopened containers

2012 Emergency Response Guidebook:

- UN/NA 1888 Shipping name: Chloroform
- Hazard Class: Toxic Substances (6.1)
- Guide # 151 Substances-Toxic (Non-Combustible)
- Spill: Initially isolate 150 feet in all directions
- Fire: Tank, rail car, tank truck isolate ½ mile

2014 Oregon Fire Code: Table 5003.1.1(2)

- Toxics
- Maximum Allowable Quantities (MAQ) per control area:
 - Unprotected by sprinklers or approved storage cabinets: 500 pounds
 - In sprinklered building, not within approved storage cabinets: 1,000 pounds
 - In unsprinklered building, within approved storage cabinets: 1,000 pounds
 - In sprinklered building, within approved storage cabinets: 2,000 pounds
- Group when MAQ exceeded: None
- Note e and f

Incident Reporting and Information:

- Facilities reporting chloroform on the Hazardous Substance Information Survey: 5
- Hazardous materials incidents reported in Oregon since 1986: 11

References include:

- [Cameo chemicals – Chloroform](#)
- [CDC NIOSH Pocket Guide – Chloroform](#)
- [Avantor Performance – SDS Chloroform](#)
- [Fisher Science Ed. - SDS Chloroform](#)
- [Science Lab.Com - MSDS Chloroform](#)
- [EPA List of Lists, March 2015](#)

For questions or suggestions, contact Aleta Carte at 503-934-8262 or aleta.carte@state.or.us.

OSFM selects rail planning coordinator

OSFM Emergency Readiness Coordinator Chad Hawkins has been selected as the OSFM rail planning coordinator. The new rail planning coordinator position is the result of last year's passage of House Bill 3225 by the Oregon legislature which authorizes the OSFM to coordinate contingency planning and training in preparation for an incident involving the transport of crude oil and other hazardous materials by rail.



Chad has more than 12 years of full-time fire and emergency response experience. He has held the ranks of firefighter, engineer, lieutenant, captain, assistant chief, and his last assignment was as Chief of Dunnigan Fire Department in California. Chad also holds certifications in hazardous materials, mass casualty, and incident command operations.

With the dramatic increase in the transport of crude oil through Oregon, this new position is significant in that it will be responsible for working with industry and stakeholders to organize and maintain a centralized preparedness and response plan for any potential oil-by-rail incident.

HB 3225 also requires the OSFM report regularly to the legislature regarding the inventory of items and location of all emergency response resources available in the state; any possible revisions to the response roles of state agencies, local governments and railroads; and strategies to fund maintenance, training, and administration of critical response plans.



Job opening

Fire Prevention Manager Portland State University

The Fire Prevention Manager works in PSU's Environmental Health and Safety department and has broad responsibility for developing and implementing a comprehensive fire prevention program for the campus.

Minimum qualifications include: a bachelor's degree with primary focus in engineering, fire science, emergency management or similar field; or satisfactory equivalent combination of education, experience and/or professional certification; experience conducting inspections, reading building plans, and applying codes and standards; successful completion of a background check.

Starting salary is between \$62,000 and \$67,000 annually.

Visit the [PSU online job link](#) for more information and to apply.

OSFM gives to Toys for Tots

This December the OSFM Positive Action Committee raised \$385 and purchased many great toys for kids in Marion and Polk counties. A big thank you to all of the OSFM employees who made donations.



Positive Action Committee members show off the toys they donated for the Marion and Polk counties Toys for Tots. From left, Valerie Abrahamson, Fraser Wick, and Sue Otjen.