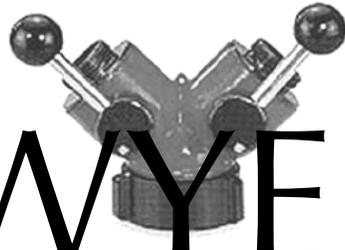


# GATED WYE



June 2016 · Oregon Office of State Fire Marshal · 3565 Trelstad Avenue SE · Salem, Oregon 97307 · No. 390

## OSFM Hazmat Conference Awards



*The OSFM presented Grant Coffey (center) with the OSFM Appreciation Award. At left are Emergency Response Services Branch Manager Michael Heffner and Hazmat Program Analyst Jamie Kometz. At right are Chief Deputy State Fire Marshal Mariana Ruiz-Temple and State Fire Marshal Jim Walker.*



*Bryan Profit (at left, center) from Hazmat 7-Portland, received the Behind the Scenes award, standing with Chief Deputy State Fire Marshal Mariana Ruiz-Temple and State Fire Marshal Jim Walker.*

*Michael Heffner (at right, center) retired from Hazmat 13-Salem, received the So Others will Succeed award, standing with Chief Deputy State Fire Marshal Mariana Ruiz-Temple and State Fire Marshal Jim Walker.*



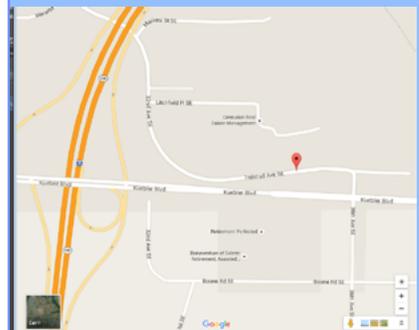
## We've moved!

After almost a year and a half of construction and months of planning, the Oregon Office of State Fire Marshal has moved to 3565 Trelstad Ave. SE in Salem, Oregon.

The new location consolidates the OSFM with Oregon State Police General Headquarters, OSP Salem Area Command, OSP Criminal Justice Information Services, and OSP Property and Procurement.

All OSFM phone numbers and email addresses remain the same.

The Trelstad site is 11 acres and will consist of three buildings totaling 119,700 square feet.



## From the desk of the state fire marshal



**Thanks to those that participate in the program, Oregon is looked at as a national model.**

– Jim Walker

### As hazmat evolves, so does our program

In April, the U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration released its four-year update to the Emergency Response Guidebook. The revisions and added sections in the guide serve to remind us of the changing threats to our communities and demonstrate the need for the statewide hazmat response program to continue to train and evolve.

The theme of this year's Oregon Hazmat Conference and Training - *Building Proficiency and Capability Together* – serves as a powerful statement of how Oregon's hazmat teams succeed in the changing world of hazardous materials and response.

The conference brought together local, state, federal, and industry response partners to train, exchange ideas, and learn each other's capabilities and strengths before an incident happens.

An example of the ever changing hazmat environment is the increased transport of crude oil on rail through Oregon. Our state, with its strong sense of environmental stewardship, has joined the national conversation about being prepared for a potential crude oil incident.

The successful preparation and readiness for hazmat incidents would not happen without the work of everyone involved in Oregon's Hazardous Materials Emergency Response Teams (HMERT).

I want to point out the good work of all three HMERT subcommittees on training, communication, and equipment for their efforts to keep our program on the leading edge of hazmat response.

Oregon's hazmat program is one of only a few in the nation operated as a statewide program. Thanks to those that participate in the program, Oregon is looked at as a national model.

I want to express my appreciation to all the dedicated folks who make up the HMERTs program. Your commitment and hard work are the reasons this program is such a great success and a model for other states to follow.



**State Fire Marshal  
Jim Walker**

**Office of  
State Fire Marshal**

**Oregon State Police  
3565 Trelstad Ave. SE  
Salem Oregon  
97307**

**[www.oregon.gov/OSP/SFM](http://www.oregon.gov/OSP/SFM)  
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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.

## OSFM seeking instructors from Oregon fire agencies

The Office of State Fire Marshal is an approved continuing education provider for smoke and carbon monoxide alarm law courses for real estate agents and is seeking fire agency representatives who would like to be qualified and trained to teach this course to real estate agents.

Potential candidates must have one of the following qualifications (most likely a, b, or c for fire service members) and submit an [Oregon Real Estate Agency Continuing Education Instructor Qualification Form](#):

- Bachelor's degree and two years' experience working in a field related to the course topic
- Six years' experience working in a field related to the course topic
- A total of six years or any combination of college-level coursework and experience working in a field related to the topic of the course
- A designation by a professional real estate organization, as defined in Oregon Administrative Rule 863.020.0060, and two years of college-level coursework
- A designation as a Distinguished Real Estate Instructor by the Real Estate Educators Association
- Certification or approval in good standing as a real estate instructor for the same or a similar course topic in any other state or jurisdiction

If you are approved as a trainer, you will be able to train real estate agents in your fire agency's jurisdiction; however, there is no compensation for the training you provide.

The OSFM will host a train-the-trainer session July 12, 2016 in Salem, Oregon. The training will cover information about the laws, the OSFM's role as a CEU provider, and the instructor's role. More trainings will be available later this year.

If interested, send your [qualification form](#) to [osfm.ce@state.or.us](mailto:osfm.ce@state.or.us) or mail it to Oregon State Police, Office of State Fire Marshal, 3565 Trelstad Ave. SE, Salem, OR 97317.

For questions, email Stephanie Stafford at [stephanie.stafford@state.or.us](mailto:stephanie.stafford@state.or.us).

## ARC and OSFM partner to help Oregonians

For almost two years, the Office of State Fire Marshal has been in a successful partnership with the American Red Cross Home Fire Preparedness Campaign to provide working smoke alarms to Oregon's residents.

Since the American Red Cross Home Fire Preparedness Campaign began in October 2014, volunteers have installed more than 5,000 smoke alarms in communities throughout Oregon and Southwest Washington.

Incident reports from Oregon fire departments for the 10-year period 2005-2014 indicate that smoke alarms were present in only 49% of fatal fires, and only 37% of those alarms were working. In nearly 90% of the cases of non-working smoke alarms, it was due to batteries that were either missing or dead.



*State Fire Marshal Jim Walker poses with American Red Cross Cascades Region CEO Amy Shlossman (center) and Regional Disaster Officer Cara Sloman*

This data illustrates the importance of the partnership between the Office of State Fire Marshal and the ARC Cascades Region in installing tamper resistant smoke alarms with long life batteries.

In addition to the smoke alarm partnership, for the past three years, the OSFM has also been working with the ARC Cascades Region to help them to operate effectively within the incident command system.

In the case of wildfire, it is important that a Red Cross Government Liaison understands how to properly obtain situational awareness so Red Cross command staff can plan and allocate resources.

This year, OSFM Incident Management Team

see **Red Cross** page 8

## High school students try their hand at hazmat

Students in West Salem High School's innovative fire program recently got the opportunity to train on hazmat response with the assistance of the Office of State Fire Marshal.

The OSFM provided technical assistance and logistical support, helping to adapt the NFPA 472 response to hazmat standard to an energetic group of firefighter students. After donning Level B personal protective equipment (PPE), students conducted search and rescue activities, surveyed simulated victims for radiological contamination, practiced product leak control techniques, and performed technical decontamination on their PPE.



*West Salem High firefighter students working to control a simulated leak on a drum containing hazardous materials.*

All the training took place on the high school's fire training drill tower built directly on campus. The program's instructor, Ted Farr, who retired from the Salem Fire Department in 2013 and is a faculty member with the Chemeketa Community College Emergency Services program, is a staunch advocate of bringing firefighter training into the high school learning environment.

"The West Salem High School Emergency Services program is about giving students relevant, hands on exposure to prepare for a career in the fire or EMS fields," said Farr. "Hazardous materials responses require an entirely different skill set and approach. The students were able to participate in a 'real-time' experience with all the protective equipment and procedures they would need to assist in a hazmat response. Most of these students are planning to complete their education or serve

in the military to accomplish their life goals in public service."

West Salem junior Cole Rumrill said he didn't think about hazardous materials incidents very often. "Mike Heffner from the OSFM brought us true stories about incidents he has responded to," said Rumrill. "After we got basic instruction and information, we headed up to the drill tower to practice what we learned. We got the opportunity to don a level B suit, plug a drum, and go through a decontamination process. It was a fun week, learning about important jobs in the fire service."

Through its network of 13 regional teams, the OSFM coordinates a number of hazmat training activities throughout the state each year. The OSFM may also be able to provide guidance on obtaining classroom materials, locating instructors, and possible funding sources for your training.

If your agency needs technical assistance or logistical support on delivering NFPA 472 Response to Hazmat Training in your service area, contact OSFM Hazmat Team Program Coordinator Jamie Kometz at 503.934-8280 or email [jamie.kometz@state.or.us](mailto:jamie.kometz@state.or.us).

## Fire defense board chiefs encouraged to participate in annual AOC drill

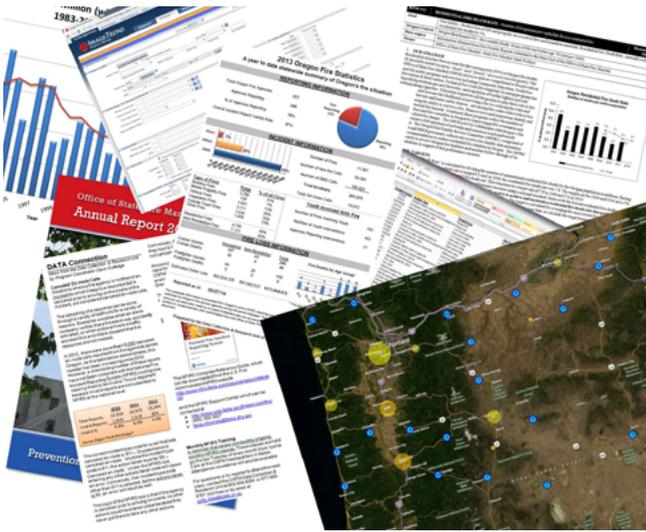
The OSFM staff will be putting the new and improved Agency Operations Center to the test on June 14, during the annual Fire Defense Board Chief drill.

Staff will be calling with a specific request for resources, and hope that you can take this opportunity to work through your local systems to determine whether you can fill the request and complete the paperwork.

The form submitted to the AOC has been modified for 2016. The AOC will be providing you with certain information during the request process: name of incident, requested reporting time & location, etc. You can see all appropriate documents, including the updated Task Force/Strike Team Resource form on the [OSFM Emergency Mobilization Information webpage](#).

# DATA Connection

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



## Fighting Fire with Facts

The Office of State Fire Marshal oversees data collection and analysis with three main objectives:

- (1) Benchmark and improve the OSFM's existing prevention programs;
- (2) Identify potential new programs to help reduce the number of fires, casualties, and property loss; and
- (3) Increase the quality and completeness of incident reporting to ensure true representation of Oregon's fire problem.

The legitimacy of analysis conducted for the first two objectives depends on success with the third objective – improving incident reporting. It is the responsibility of every Oregon fire agency to report and maintain complete, accurate, and timely data in the state's incident reporting database. This ensures quality data is available for critical decision-making.

Using this approach is how we use facts to fight fires. When we can accurately identify the fire problem, we can develop strategies to combat it. The only way to do this is with incident reports submitted to the OSFM by local fire agencies.

It is imperative that local fire agencies understand the importance of submitting incident response data to the OSFM. In addition to being an essential component of public accountability, incident data

can greatly influence decision making at the local level.

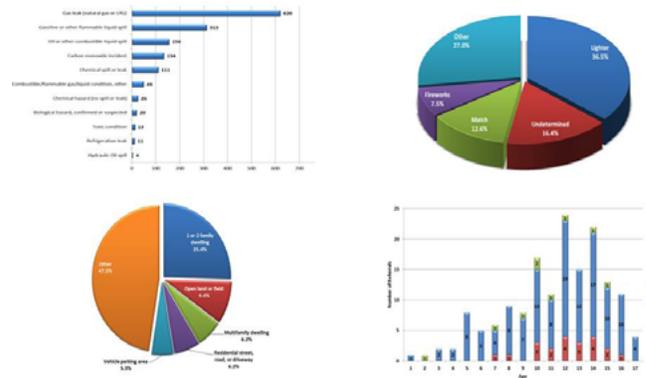
Decision-making at the state and federal level is also affected by incident response data, from the development and funding of programs to the deployment and allocation of resources.

On average, the OSFM receives more than 28,000 reports monthly. We continuously analyze the data in those reports to identify hazardous trends and issues. These efforts have led to product recalls and educational campaigns that have prevented the loss of life and property.

The U.S. Fire Administration also disseminates the data from 25 million incidents it receives each year with partners such as the National Fire Protection Association, Consumer Product Safety Commission, International Association of Firefighters, National Highway Traffic Safety Administration, and the International Association of Fire Chiefs.

The adage "knowledge is power" is especially true in the fire service as the information captured in incident reports can easily provide us the knowledge/power to effectively fight fires with facts.

## Do you tailor your prevention efforts to the right people, places, and causes?



Your historical incident data will quantify the top causes of fire in your jurisdiction, pinpoint where the most fires occur, and help you profile the demographics of your population experiencing the most fires. If you need assistance analyzing your fire data, contact the 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](mailto:osfm.data@state.or.us).

# Oregon fire agencies work to increase fire safety and eliminate youth-set fires

by OSFM Youth Fire and Intervention Coordinator  
Krista Fischer

**Y**outh misusing fire kept Oregon fire agencies busy responding to 159 youth-set fires, resulting in more than \$5 million in damage to public and private property in 2015, as reported to the Oregon Office of State Fire Marshal. (The dollar loss amount does not include the Eugene Civic Stadium or the Sherwood Trestle fires.)

Past data shows that the majority of youth-set fires occur during summer months, which serves as a good reminder as the 2016 school year comes to a close and family vacations become frequent.

Easy access to matches, lighters, and fireworks, a lack of adult supervision, youth curiosity and boredom, coupled with warm weather and longer days, can make for a dangerous recipe.

Statewide, fire agencies and local partners are participating in a variety of activities to raise the fire safety awareness of our youth, their families, and community members at large to help prevent youth-set fires all year long.

Fire agency personnel inspect and visit dozens of classrooms each school year and provide youth fire prevention and safety education. The concern is many young people forget the fire safety lessons they learned throughout the school year while on summer break.

Whether it is a toddler misusing a lighter or match, or a teen experimenting with fire or setting a fire for the fun of it, these behaviors are risky and can be deadly.

The majority of youth curious about fire are good kids; they just make bad choices. Fire agencies are there to help them learn fire safety skills so they make good decisions.

There were 126 interventions involving youth as reported to the OSFM by 18 of Oregon's 316 local fire agencies in 2015.

These agencies provided valuable fire safety education and/or intervention services to their community. However, not every fire involving a

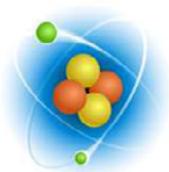
youth results in an intervention. Interventions may occur without an actual fire agency response (e.g. a parent brings youth to fire agency for help).

Intervention referrals came from sources such as parents concerned with youth curious about or experimenting with fire, child welfare, law enforcement, fire investigators, school counselors, juvenile justice/court, and the public.

The OSFM encourages fire agencies to remind parents/caregivers of these tips:

- Keep all matches and lighters away from children.
- If your teen burns candles/incense, set clear rules about when and how they may be used. Better yet, get battery-powered scented candles.
- If your child is fascinated with fire, check their bedroom for matches, lighters, flammable liquids, or fireworks.
- Teens should be aware they may be cited with a criminal offense for setting a fire and can face serious legal, financial, and emotional consequences.
- Monitor websites frequented by your child.
- Remember, as a parent/caregiver, you can be held financially responsible for damage or injuries resulting from a youth-set fire.
- Contact your local fire agency if you have a child repeatedly setting fires or is overly fascinated with fire.
- Have working smoke alarms in every bedroom and on every floor.
- Have a home escape plan and practice it during the day and at night. Once out, stay out.
- Test your smoke alarm regularly.

If you have any questions, please contact Krista Fischer at 503-934-8240 or email [krista.fischer@state.or.us](mailto:krista.fischer@state.or.us).



## TRIETHYLAMINE (C<sub>2</sub>H<sub>5</sub>)<sub>3</sub>N (N,N-diethylethnamine, TEA)

### Description:

- Colorless liquid with ammonia-like/ fishy odor
- A lachrymator; vapors irritate the eyes causing tearing
- Flammable liquid
- Hazard Classes: 3.2 flammable liquid (flash point between 0 and 73 deg. f); 6.3 acute health hazard
- CAS No.: 121-44-8
- UN-NA No.: 1296

### NFPA 704 Information:

- Health -- 3
- Flammability -- 2
- Reactivity -- 0
- Special Notice -- none given

### Uses:

- Catalytic solvent in chemical synthesis
- Accelerator/activator for rubber; wetting, penetrating, and waterproofing
- Catalyst for polyurethane foams and epoxy resins
- Curing and hardening of polymers
- Used in the manufacture of pesticides, pharmaceuticals, polymers, paints, and dyes

### Reactivity and Fire Risk:

- Normally stable, hazardous polymerization will not occur
- May react violently in the presence of oxidizing agents and strong acids
- May react with nitric oxide or nitrogen dioxide to form nitrosamines which may cause cancer
- Flammable liquid; flammable limits are between 1.2% and 8.0%
- Vapors can form explosive mixtures with air
- Vapors are heavier than air and can travel great distances to a source of ignition and flash back
- During fire conditions, toxic nitrogen oxide gases may be generated
- Flash Point: 20 deg. F

### Health Hazards:

- Vapors or mist can irritate nose, throat, and lungs
- Exposure to liquid or mist may cause skin irritation

- Vapor or mist can cause severe eye irritation with symptoms of redness, pain, and impaired vision
- If swallowed, liquid may cause burning of mouth, throat, and digestive tract

### Personal Protective Equipment:

- Normal conditions: Wear impermeable clothing to prevent any possibility of skin contact, and chemical splash goggles. In atmospheres that contain over 200 ppm, a supplied air respirator, or a full-faced positive pressure SCBA is recommended
- Fire conditions: Wear special protective clothing and positive pressure SCBA

### Inspection and Storage Tips:

- Store in a cool, dry, well-ventilated area, out of direct sunlight
- Avoid oxidizing material, strong acids, and sources of halogens
- Store away from heat and ignition sources

### Article 80 Information:

- Class 1-B Flammable liquid
- S occupancy exempt amounts allowed per control area:
  - Unprotected by sprinklers or approved cabinets: 60 gallons
  - In sprinklered building, not within approved storage cabinets: 120 gallons
  - In un-sprinklered building, within approved storage cabinets: 120 gallons
  - In sprinklered building, within approved storage cabinets: 240 gallons
- Facilities storing quantities exceeding the allowed exempt amounts for S occupancy, must conform to H-2 occupancy requirements outlined in the Uniform Building Code.

### Incident and Reporting Information:

- There has been one incident involving triethylamine reported in Oregon since 1986.
- The annual Hazardous Substance Information Survey shows 13 companies in Oregon that have at or above the minimum reportable quantity of triethylamine (50 gallons).

## Remembering When Conference application period opens June 20th

The National Fire Protection Association is selecting teams from up to 25 communities to attend the 2016 Remembering When Scholarship Conference in San Antonio, TX, November 14-16. Participants will receive training to teach older adults about fire and fall prevention through group presentations and home visits.

The NFPA is looking to train two- or three-person teams who are:

- Excited to help older adults reduce injuries from fires and falls
- Committed to building a community outreach program
- Enthusiastic about strengthening partnerships to support older adults

Each team will consist of two or three people including a fire agency life safety educator and a home health visiting professional or volunteer from an agency serving older adults.

Past teams have included representatives from visiting nurses, senior centers, Red Cross volunteers, parks & recreation, church outreach groups, civic organizations, councils on aging, meal delivery programs, and more.

Each Remembering When scholarship is valued at more than \$4,000 and includes:

- Training workshop in San Antonio from November 14-16, 2016 for each team
- Airfare to and from San Antonio & airport shuttle transportation to and from the hotel
- Lodging at the Drury Plaza Hotel San Antonio Riverwalk, November 14 and 15, 2016
- Networking reception on the evening of November 14, 2016
- Breakfast, lunch, and snacks throughout the training
- Ongoing support from NFPA for program implementation

Complete [information, requirements, and a link to the application are online.](#)

## Red Cross

continued from page 1

Program Analyst Mariah Rawlins conducted a two-hour breakout session for 18 Red Cross employees and volunteers (Government Liaisons and Disaster Program Managers) who may be assigned to a wildfire incident command post, on how to effectively work within the command post structure to:

- a) identify any activities, such as community meetings, that the Red Cross can help support
- b) establish situational awareness for Red Cross leadership for planning purposes
- c) determine how the government liaison can best coordinate getting damage assessments, something the ARC needs to verify before some specific individual client services can be provided

“Our staff always benefits from having a partner like the OSFM share with us their expectations so we can perform our jobs well, when the time comes,” said ARC Cascades Region Government Liaison Lead Dianne Mekkers.

## Apparatus for sale

### 1997 Pierce Arrow Pumper Truck

Four wheel drive, 470 HP turbo diesel 6-cylinder; water pump is model CMU/1,500 GPM/2-stage; 500 gallon poly water tank; Foam Pro 2002/5 GPM/Two, 25-gallon poly tanks for A & B foam; cab seats six with two SCBA seats; 14 exterior cabinets; Opticom IR system; and more.

Sale price: \$45,000

Interested agencies please contact city of Eugene Fleet Services Supervisor Bob Stafford at 541-682-4871 or email [bob.c.stafford@ci.eugene.or.us](mailto:bob.c.stafford@ci.eugene.or.us).

