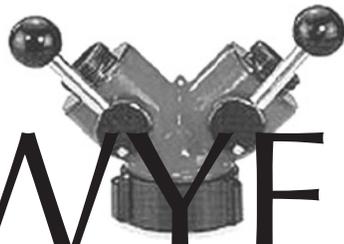


# GATED WYE



June 2014 · Oregon Office of State Fire Marshal · 4760 Portland Road NE · Salem Oregon 97305-1760 · No. 365

## Awards presented at the biennial OSFM hazmat conference



Group Award

Equipment Committee (l to r): Shon Christensen, Shawn Ford, Brandon Silence, Fraser Wick, Steve Boughey, Forrest Chambers, and Brian Sweet stand with Interim State Fire Marshal Jim Walker. (not pictured Kyle Romey)



So that others will succeed - Bryan Baumgartner (right), HM #8 (Medford)



OSFM Appreciation - Steve Boughey (left), HM #9 (TVF&R)



Behind the scenes - Shon Christensen (left), HM #7 (PF&R)

Hazmat Olympics winners Ben Sims and Cody Fordyce (at right, holding trophy) from HM #9 (TVF&R), fellow team members are pictured in the background.



# From the desk of the Interim State Fire Marshal



**We are continuing to work with all entities involved, including the Oregon National Guard Civil Support Team, railroad companies, multiple state agencies, and other interested parties.**

– Jim Walker

## Geared Up and On the Move

That was the theme of our biennial Hazardous Materials Response Teams conference last month. More than 140 local, state, and rail industry representatives trained on issues from decontamination to emergencies involving white powder, natural gas, pesticides, biological threats, and crude oil spill response.

In last month's column, I noted how the increase in rail transportation of crude oil through parts of Oregon is raising concern among members of the public and environmental organizations. It has also raised awareness of our agency and other state and local agencies, as well as first responders who might be among those most affected by a spill or derailment.

In the short time this has become a broad issue in Oregon, I'm pleased to say that members of industry and emergency response agencies at all levels have not hesitated to work proactively to increase emergency response and mitigation capabilities in the event of a crude oil spill. Our annual hazmat conference was a clear example of representatives from those agencies coming together to gain skills and knowledge.

We are continuing to work with all entities involved, including the Oregon National Guard Civil Support Team, railroad companies, multiple state agencies, and other interested parties.

On May 7th, the U.S. Department of Transportation issued an Emergency Order requiring all railroads operating trains containing more than one million gallons of Bakken crude oil (approximately 35 tank cars) in a particular state to provide the State Emergency Response Commission (SERC) notification regarding the expected movement of such trains through the counties in that state.

The order also advises railroads to assist the SERCs as necessary to share the information with the appropriate emergency responders in affected communities.

As Oregon's SERC, the OSFM is working with

see **Walker** page 3



**Interim  
State Fire Marshal  
Jim Walker**

**Office of  
State Fire Marshal**

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

**[www.oregon.gov/OSP/SFM](http://www.oregon.gov/OSP/SFM)  
503-934-8200**

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503-934-8205

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Fire & Life Safety Education  
503-934-8236

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503-934-8256

License & Permits  
503-934-8264

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

Oregon Emergency Management, city and county emergency management agencies, fire chiefs, our state hazmat teams, local emergency planning committees, Oregon tribes, and others to develop and implement the federally mandated notification process.

In addition to the U.S. DOT Emergency Order, the Federal Railroad Administration and the Pipeline and Hazardous Materials Safety Administration issued a Safety Advisory strongly urging those shipping or offering Bakken crude oil to use tank car designs with the highest level of integrity available in their fleets.

I am very confident in the partnerships developed between all the entities involved with the crude oil response issue and feel Oregon is well on its way to ensuring the safest possible transportation of crude oil through our state.

## Fireworks education and enforcement resources

As fireworks season approaches, the OSFM reminds fire agencies about a number of online resources available to assist with your fireworks education and enforcement efforts. Click on the following links to access information covering the topic your agency is interested in:

- [Common Inspection Elements for Retail Fireworks Sales](#)
- [Retail Sales Toolkit](#)
- [Outdoor Fireworks Display Inspection Checklist](#)
- [Fireworks Display Toolkit](#)
- [Illegal Fireworks Toolkit](#)
- [Public Education Toolkit](#)
- [Pocket Guides for Fireworks Enforcement](#)

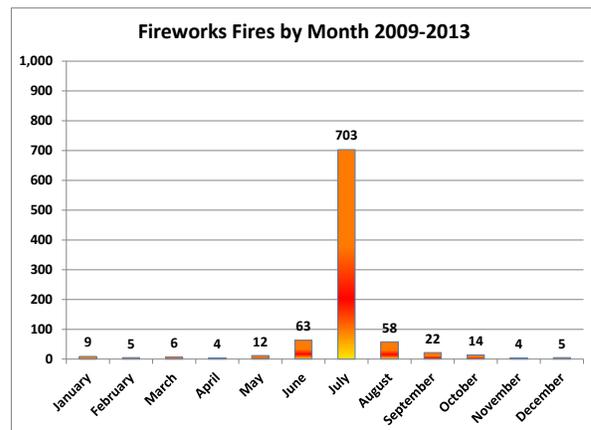
Each of these resources are available for download from the OSFM website or you may email [sfm.lp@state.or.us](mailto:sfm.lp@state.or.us) or call 503-934-8285.

## Fireworks safety media event set for June 23rd

The OSFM, in partnership with Portland Fire and Rescue, is conducting a fireworks media event focused on the “Keep it legal, Keep it safe” theme used since 2006 in Oregon.

The media event is 9:30 a.m., June 23, 2014, at Portland Fire & Rescue Station 1 in downtown Portland and will include a live fireworks display demonstrating the proper use of legal fireworks, general fireworks safety, and identifying Oregon illegal fireworks. Other participants include Oregon Parks Department, Oregon Department of Forestry, the Bureau of Land Management, the Oregon Burn Center, area fire and law enforcement agencies, and Clackamas and Multnomah county animal services.

The safe use of legal fireworks is a critical part of the statewide message. Fireworks-caused fires (legal and illegal) skyrocket every July in Oregon.



Portland Fire & Rescue will again be focusing on illegal fireworks use with their Operation: Lower the Boom campaign. They're including the tag line “Illegal fireworks, who cares? Your neighbors, veterans, seniors, children, and pets.”

Coming off of last year's record wildfire season and this year's extreme drought conditions in many parts of Oregon, the safe use of fireworks is more important this year than any year in recent memory.

For more information, contact Anita Phillips at 503-934-8264 or [anita.phillips@state.or.us](mailto:anita.phillips@state.or.us).

## The OSFM will bring Start Safe training to you at no cost

Check your calendar and schedule a Start Safe: A Fire and Burn Safety Program for Preschoolers and Their Families training. There is no cost for the three-hour training and materials. The OSFM will bring the program to your local area; all you have to do is contact us with where and when. We encourage representatives from your area schools, preschools, Head Start, and the fire service to attend.

Start Safe gives preschool teachers and fire educators the tools to reach preschool children and their families. Children in this age group are among the at-risk group for fire and burn-related injuries.

Start Safe is designed to help teachers and fire educators reach parents and caregivers with key safety messages and help them take action to reduce the risk of fires and burns at home. The curricula used are designed individually for teachers and fire educators and most materials are in English and Spanish.

The Office of State Fire Marshal's Youth Fire Prevention and Intervention Program, in partnership with the National Head Start, National Safe Kids, and Safe Kids, Oregon provide the Start Safe training and all program materials at no cost. However, registration is required.

[A brief overview of the material covered is available online.](#)

To date, 500 members of Oregon's fire service and Head Start programs representing 46 communities have participated in 12 Start Safe trainings.

To schedule a training, pick a date and location then email [YouthFirePrevention@state.or.us](mailto:YouthFirePrevention@state.or.us) or call Krista K. Fischer at 503-934-8240.

## Juvenile firesetter intervention training set for September in The Dalles

Mid-Columbia Fire and Rescue, FireSafe US, and the Oregon Office of State Fire Marshal Youth Fire Prevention and Intervention Program is sponsoring two days of Juvenile Firesetter Intervention Specialist I training, September 10-11, 2014, at the Mid-Columbia Fire and Rescue office located at 1400 W. 8th Street, The Dalles, Oregon.

The training is free. Registration is required for all attendees. All travel, meals, and other expenses are the responsibility of the attendee.

The 16-hour course provides an overview of Oregon's juvenile firesetter intervention program. Topics include: policies, procedures and laws, child development and communication, practice using the Oregon Juvenile with Fire Screening Tool, intervention options including educational strategies and referral procedures, as well as networking steps and data collection.

The class will help prepare applicants for completing a task book as required by the Department of Public Safety Standards and Training for the National Fire Protection Association 1035 certification as a Juvenile Firesetter Intervention Specialist I in Oregon.

The class is funded by a 2012 FEMA Assistance to Firefighters grant to FireSafe US, training site generously provided by Mid-Columbia Fire & Rescue, and all class materials provided by the Office of State Fire Marshal.

Class size is limited and will be filled on a first come, first serve basis. The training flyer and registration form will be available on the [OSFM training page](#) after June 6, 2014.

## Wildland Task Book Day

The Northwest Association of Fire Trainers and Washington County Training Association are hosting a Wildland Task Book Day, June 13 or June 14, 2014, from 8:30 a.m. to 5:30 p.m. in Molalla, Oregon. This is an opportunity for Strike Team/Task Force Leader and Engine Boss Task Book signoffs. [You can register online.](#)

## DATA Connection

News from the Data Collection & Research Unit  
by Program Coordinator Dave Gullledge

### How do you code that?



Photo provided by Deputy State Fire Marshal Shannon Miller

This fire started in a trash dumpster (located at the base of the flames), then extended to the adjacent apartment building. So....how do you code that?

The correct way to report this incident is to identify the dumpster fire as the primary report and the apartment fire as an exposure report. Doing so demonstrates that the fire extended from one property use to another, which otherwise wouldn't have happened if proper fire protection measures and practices were followed.

In the primary report, the Incident Type is 154 - Dumpster fire. The Property Use is 938 - Graded/Cared for plot of land, because the dumpster was located outside in a patio/courtyard area adjacent to the apartment building. The Area of Fire Origin is 93 - Courtyard, patio. Whether or not this fire was started intentionally and what the specific heat source was would need to be determined and coded accordingly. The Item First Ignited is 96 - Trash; and the Material First Ignited in these situations is

generally 99 - Multiple types of material; but that can vary from situation to situation.

In the exposure report, the incident number remains the same, but the exposure number is 001. Exposures are the only time a specific incident number can be used for more than one report.

The Incident Type for the exposure is 111 - Building fire; the Property Use is 429 - Multifamily dwelling. The Area of Fire Origin is 76 - Wall surface exterior, as that is what first ignited. The Heat Source is 81 - Heat from direct flame, because this was an extension of the dumpster fire. The Item First Ignited is 12 - Exterior sidewall covering, surface, including eaves. The Material First Ignited is 63 - Sawn wood, which includes all finished wood, lumber, and wood shingles. It is important to list code 71 - Exposure fire, in the Factors Contributing to Ignition field.

In this exposure report, the number of living units needs to be identified, as well as any additional human or fire suppression factors.

Because this involved a structure, in the Structure Fire module of the report it should indicate Structure Type 1 - Enclosed building. The status of the building, height, and main floor size would need to be determined and entered as well as applicable information regarding smoke alarms and sprinkler systems.

The photo depicts flames not only extending to the building, but spreading up the side of the building. This should be captured in the Structure Fire module as well. The Item Contributing Most to Flame Spread is 12 - Exterior sidewall covering, surface; and the Material Contributing Most to Flame Spread is the wood finish of the building code 63 - Sawn wood.

Properly reporting incidents such as this helps support fire and building codes. If this dumpster had been located at the correct distance from the building, the fire extension to the building would likely not have occurred.

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).

## Free ICS 400 training

The Lincoln County Sheriff's Office is hosting a free ICS 400 training July 14-15, 2014, at the Depoe Bay Fire District, Gleneden Beach Fire Station, Gleneden, Oregon. The class is limited to 30 students.

The course is OEM approved and meets NIMS standards. Pre requisites include FEMA IS 100, 200, 300, 700, and 800.

The target audience for this course is individuals who may assume a supervisory role in expanding incidents of all disciplines of public safety.

For more information, contact Lincoln County Sheriff's Office Emergency Manager Jenny Demaris at [vdemaris@co.lincoln.or.us](mailto:vdemaris@co.lincoln.or.us) or 541-265-4199.

## Nest Labs recalls smoke and CO alarms

Nest Labs has recalled for repair their Nest Protect Smoke and CO Alarms due to failure to sound alert. Activity near the alarm during a fire can prevent the alarm from immediately sounding when the Nest Wave feature is enabled.

The recall includes all Nest Protect Smoke and CO alarms. The repair is an automatic electronic update that disables the Nest Wave feature and is delivered automatically to devices connected wirelessly to the Internet and linked to a Nest account.



Consumers should contact Nest Labs at 800-249-4280 anytime or online at [www.nest.com](http://www.nest.com) and click on Nest Protect Safety Notice for more information. Nest Labs has received no reports of incidents, injuries, or property damage. The recall involves about 440,000 units.

## Northwest Residential Fire Sprinkler Summit

The Washington and Oregon fire sprinkler coalitions are sponsoring a one-day summit, September 18, 2014, at the Heathman Lodge in Vancouver, Washington.

The summit is designed for fire personnel, building officials, fire sprinkler contractors, water purveyors, home builders, and insurance representatives.

Highlights of the event include national and northwest experts:

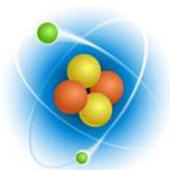
- showing what really happens in a home fire – and why you should worry
- sharing tips on how all stakeholders can work together
- displaying the latest in technology and trends
- demonstrating sprinkler effectiveness with a live fire side-by-side burn with information on how to create this event for your community
- hosting a panel discussion to answer questions on water needs, political realities, and code requirements

Speakers include:

- California State Fire Marshal Tonya Hoover
- Oregon Fire Sprinkler Coalition Chair Shawn Olson
- Washington Fire Sprinkler Coalition Chair Jeff LaFlam
- National Fire Sprinkler Association Training Manager John Corso
- Northern Illinois Fire Sprinkler Advisory Board Executive Director Tom Lia
- Harborview Burn Center Registered Nurse Carolyn Blayney
- Underwriters Laboratory Senior Regulatory Engineer Bob Eugene

Cost is \$50 if paid by August 20, \$75 after August 20. Includes lunch, conference materials, and evening event.

[Register online](#), or for questions call 253-208-8467



## Hydrobromic Acid $\text{HBr} + \text{H}_2\text{O}$

### Description:

- Aqueous solution of hydrogen bromide gas
- Colorless to yellow liquid with a pungent odor
- CAS No.: 10035-10-6 (hydrogen bromide)
- EPA Section 302 EHS: not listed
- EPA Section 112<sub>R</sub>: not listed
- EPA Section 304 EHS: not listed
- OSHA PSM: 5,000 lbs (hydrogen bromide)

### NFPA 704 Information:

- Health: 3
- Flammability: 0
- Reactivity: 0
- Special: None

### Uses and Occurrences:

- Used for the production of inorganic bromides
- Used in extraction of certain ores

### Reactivity and Fire Risk:

- Non-Combustible
- Flash point: NA
- LEL: NA; UEL: NA
- Autoignition temperature: NA
- Vapor density (air = 1): 2.8
- Specific gravity (water = 1): 1.49
- Boiling point: 212-262° F
- Reacts with bases to form salts giving off large amounts of heat (exothermic reaction)
- Reacts with sodium hypochlorite giving off toxic gases
- Reacts with some metals including iron and aluminum to form flammable hydrogen and/or toxic gases
- Can initiate possibly violent polymerization in certain alkenes, such as allyl chloride
- Reacts with cyanide salts to release hydrogen cyanide gas
- Flammable and/or toxic gases may be released in reaction with weak or strong reducing agents
- Can increase the rate of (catalyze) chemical reactions

### Health Hazards:

- IDLH: 30 ppm (for hydrogen bromide)
- Corrosive causes severe chemical burns

### Fire Fighting Measures:

- Extinguishing media: Water spray, dry chemical, carbon dioxide, or appropriate foam
- Appropriate chemical protective clothing

### 2012 Emergency Response Guidebook:

- Shipping names: hydrobromic acid; hydrobromic acid solution
- Hazard Class: Corrosive Substance (8)
- UN/NA: 1788; Guide # 154 Toxic and/or Corrosive (Non-Combustible)
- Spill or leak – Initially isolate 150 feet in all directions
- Fire – Tank, rail car, or tank truck: Initially isolate ½ mile in all directions

### 2010 Oregon Fire Code: Table 2703.1.1(2)

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

### Incident Reporting and Information:

- Facilities reporting hydrobromic acid on the Hazardous Substance Information Survey: 1
- Hazardous materials incidents reported in Oregon since 1986: None

### References include:

- [Cameo chemicals – Hydrobromic Acid](#)
- [Fisher – Scientific MSDS Hydrobromic acid](#)
- [Sigma-Aldrich – MSDS Hydrobromic acid - \(Link select download MSDS\)](#)
- [EPA List of Lists - October 2012](#)

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

## Retirement

### Leroy Griggs

Leroy Griggs retired after 62 years in the fire service.

He began his fire service career in 1952 as a member of the Coquille Fire Department. His first fire was in June 1952, before he was officially in CFD, but when he showed up to watch the firefighters, they put a hose in his hands and told him to “get to work.”

In November 1963, Leroy moved to North Bend and joined the North Bend Fire Department in January 1964 as a volunteer. In 1969 he became a volunteer captain and served in that rank until 1994 when he advanced to volunteer deputy chief. Although Leroy applied for, and was offered, a full-time job at North Bend Fire in 1968, he declined as he and his wife had just started a family and Leroy felt being at home at nights was his priority.

Leroy served as president of the North Bend Volunteer Firefighter Association on two occasions. He then became the treasurer, serving more than 20 years. He was one of the founders of the annual pancake feed.

Griggs also served as an EMT with Bay Cities Ambulance from 1964 – 1982.

Leroy and his wife Charlotte have been married for 52 years.

## 2014 Fire Service Mobilization Plan available

**T**he [2014 Oregon Fire Service Mobilization Plan and updated conflagration tools](#) are now available on the OSFM website. Resources include:

- [Conflagration request packet](#)
- [Typing quick guide](#)
- [2014 Task Force/Strike Team leader guide book](#)
- [Instructions on how to enter resources into Oregon Firebridge™](#)

For questions, contact Assistant Chief Deputy Mariana Ruiz-Temple at 503-934-8238 or [mariana.ruiz-temple@state.or.us](mailto:mariana.ruiz-temple@state.or.us).

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## In memoriam

### James Edward Kay

1931– 2014

James E. Kay passed away May 15, 2014 at the age of 82, with his wife and children by his side. He was born in Myrtle Point, Oregon, and graduated from Coquille High School in 1950.



Early employment included selling logging supplies and carpentry work. After discovering his love of the fire service he served as a volunteer for five with the Coquille Fire Department, and two years as assistant chief and training instructor at Bandon Fire Department. Jim then spent 3 ½ years in the U.S. Navy during the Korean War.

After his Navy service, Jim served for nine years as the fire chief of Gold Beach Fire Department.

Venturing to the bigger cities, Jim spent six years as a deputy fire marshal under the Department of Commerce for the Central Oregon District; he transferred to Salem in 1976 as fire prevention/investigation specialist for the Office of State Fire Marshal. Jim then spent two years as supervisor of the Fire Training Division teaching fire and arson investigation throughout the state. He retired as bureau chief of the OSFM on June 1, 1990.

Jim was a member of the Oregon Fire Marshals Association, National Fire Prevention Association, and National Association of Fire Investigators. He is a Life Member of bend Elks Lodge #1371 and Masonic Chadwick Lodge #68, Coquille, Oregon.

He is survived by his wife of 35 years Beverly J. Kay of Salem, Oregon, his children Sharleen T. Kay of Bellingham, Washington, and John E. Kay of Roseburg, Oregon, four grandchildren, six great-grandchildren, two great-great-grandchildren, and several nieces and nephews.

A Celebration of Life will be held August 16, 2014 from 2-6 p.m., at Elk River Campground Clubhouse, Port Orford, Oregon. Please bring your favorite potluck dish to share with others.

In lieu of flowers, please donate to your favorite charity or the Oregon Burn Center.