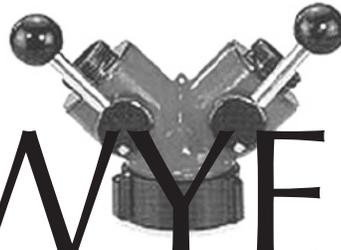


GATED WYE



April 2011 · Oregon Office of State Fire Marshal · 4760 Portland Road NE · Salem Oregon 97305-1760 · No. 327

All-hazard exercise supports emergency preparedness

Emergency response teams from the OSFM, including the Urban Search & Rescue (US&R) Task Force, Hazardous Materials Response Teams (HazMat), and an Incident Management Team (IMT) participated in an all-hazard exercise at the Intel® Aloha campus March 9th. These are the same types of teams and resources that would respond should Oregon experience a major earthquake or other disaster.



HazMat team members prepare before entering the exercise hot zone.

“Exercises such as these are a prime example of how state level emergency response stays prepared to answer the call if disaster should strike any region in Oregon,” said Interim State Fire Marshal Jim Walker.

More than 250 personnel participated in the exercise including fire and law enforcement personnel, evaluators,

planners, role players, and support personnel.

“This exercise was a great opportunity for our state emergency response resources and



Responders carefully lower a trained search dog after a successful find.

various law enforcement agencies to practice their skills and integrate into a single coordinated operation,” said OSFM Emergency Response Manager Mariana Ruiz-Temple. “In the case of an earthquake, tsunami, or other disaster, all of these teams would likely respond, so an exercise like this really enhances our preparation for such an event.”

Visit the OSFM website to [view a photo gallery of the exercise](#) or to learn more about the [OSFM Emergency Planning and Response](#).

New CO rules in effect

Effective April 1, 2011 all new and remodeled residential structures are required to have a carbon monoxide (CO) alarm.

Affected residential structures include hotels, motels, apartments, dormitories, fraternities, sororities, one- and two-family dwellings, townhouses, and residential care/assisted living facilities.

Remodeled residences are defined as those requiring a building permit.

April 1st is also the effective date requiring home sellers of one- and two-family dwellings, manufactured dwellings, or multifamily housing units containing a carbon monoxide source to have one or more properly functioning CO alarms before conveying fee title or transferring possession of a dwelling.

Landlords also must provide properly functioning CO alarms for all rental dwelling units with or within a structure containing a carbon monoxide source.

Review [frequently asked questions and more information](#) on the OSFM website.

From the desk of the Interim State Fire Marshal



“Whether a fire agency, school, business, government, or other entity - we stand ready to serve you.”

Word of the year - Preparation

Most of you have heard the real estate mantra - location, location, location – and it is a proven one; if we were to vote for an emergency response mantra I would choose one similar, yet equally proven - preparation, preparation, preparation! Nothing brings this message home more than last month's disastrous earthquake and tsunami that hit Japan.

Although the natural event occurred thousands of miles away, damaging effects were still felt in some coastal areas of southern Oregon and northern California. Life changing events such as these natural disasters can have devastating effects on local emergency response systems and capacities.

Many in Oregon are asking “are we prepared?” In our case, if I take the “we” to mean statewide emergency services managed by the OSFM, my answer is yes.

A perfect example of this was last month's, all-hazard drill organized by our agency's Emergency Response unit. If our fellow citizens were able to witness this exercise, they would feel confident in the skill and preparedness of the hundreds of emergency responders who make up the state incident management teams, state hazmat response teams, and urban search and rescue task force. But these aren't our only resources.

Our Community Right-to-Know program prepares by tracking hazardous materials stored in facilities throughout the state. This program works in concert with our Planning and Training Assistance program to help communities develop local emergency planning committees. On a different front, our Community Education unit has numerous education materials available, including a new school resource guide covering evacuation planning for several emergency scenarios. All of these things are done in the name of preparedness.

From my perspective, statewide emergency response and education is prepared. My question is – how can we help with YOUR preparation? Whether a fire agency, school, business, government, or other entity - we stand ready to serve you.



**Interim
State Fire Marshal
Jim Walker**

**Office of
State Fire Marshal**

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

OSFM requests input on hazardous substance reporting

The Office of State Fire Marshal's Community Right to Know (CR2K) program wants your input to help improve our services.

The CR2K program collects information from facilities statewide that possess hazardous substances and provides the information to fire departments using the Hazardous Substance Information System software program. Hazardous substance information is intended to be used by fire departments to ensure a safe and informed response to incidents involving hazardous substances.

We are requesting a few minutes of your time to participate in an online survey and provide opinions and suggestions to help us direct this program to best meet your needs. Even if you are not familiar with the program, your input is still vital to ensure we have heard from all Oregon fire agencies. We will post survey results on the OSFM website and include them in a future issue of the Gated Wye. [Take the survey.](#)

Oregon Fire Code Amendment 2010 now available online

The Office of State Fire Marshal created this interactive training to meet the core curriculum training requirement for the Fire and Life Safety [Competency Recognition Program](#).

The four-hour online Oregon Fire Code Amendment training is a high-level training of the 2010 Oregon amendments based on the 2009 International Fire Code.

[Oregon Administrative Rule covering Certification and Training Requirements for Conducting Fire Code Enforcement](#) establishes statewide standards for certification and training requirements of fire officials responsible for administration of a Fire Code approved by the State Fire Marshal.

[Enroll on iLearnOregon](#). Search in the course catalog for OSFM – FLS Oregon Fire Code Amendment ONLINE. Click on the underlined title.

For assistance, contact Connie Dalke at 503-934-8204 or Anita Horsley at 503-934-8249.

Firewise Campus™ training April 26

A free Firewise Campus™ (fire prevention and safety) workshop is scheduled April 26, 2011 at the Oregon Public Safety Academy in Salem, Oregon. The workshop targets those who are accountable for fire safety at colleges and universities, and includes information about off-campus housing fire safety.

The course was developed by a team of safety professionals working with The Center for Campus Fire Safety and Underwriters Laboratories, and provides professionals the opportunity to gain an understanding of successful fire safety training methodologies for the college age group. Tools and resources are provided to effectively educate students and work to provide a fire-safe environment on- and off-campus.

Campus Firewise Instructor Jim Patton also serves as the fire prevention officer for Corvallis Fire Department and Oregon State University.

Registration deadline is April 11, 2011. Class is limited to 20 attendees. [Register online](#) on the OSFM website.

Date: April 26, 2011

Time: 8:00 a.m. – 5:00 p.m.

Cost: \$0 (no cost)

Location: Oregon Public Safety Academy, 4190 Aumsville Hwy, Salem, Oregon.

Lodging: Limited free dormitory housing is available at the Oregon Public Safety Academy on April 25. If you want to be considered for housing, indicate this on your application.

Meals: Breakfast and lunch are provided on April 26. Any other meals are the responsibility of the attendee.

For more information, e-mail osfm.ce@state.or.us or call 503-934-8266.

Office of State Fire Marshal

2011 legislative bills tracked

[HB2054A](#): Relating to health care facility licensing.

[HB2064](#): Relating to electronic government portal; appropriating money.

[HB2073](#): Relating to federal fire management assistance.

[HB2074](#): Relating to emergency preparedness.

[HB2078](#): Relating to fire safety.

[HB2079](#): Relating to smoke alerting devices.

[HB2082](#): Relating to releases of hazardous substances.

[HB2164](#): Relating to fire protection.

[HB2244](#): Relating to public records.

[HB2273](#): Relating to self-service dispensing of gas.

[HB2350](#): Relating to the Oregon Indoor Clean Air Act.

[HB2451](#): Relating to the Oregon Forest Land Protection Fund.

[HB2491](#): Relating to the regulation of interior design; appropriating money.

[HB2525](#): Relating to tax credits for insurers transacting fire insurance; prescribing an effective date.

[HB2601](#): Relating to smoking.

[HB2726](#): Relating to the Oregon Indoor Clean Air Act.

[HB2805](#): Relating to illegal aliens.

[HB2826](#): Relating to diesel fuel.

[HB2827](#): Relating to additives to biodiesel fuel.

[HB3038](#): Relating to residential fire sprinkler systems.

[HB3048](#): Relating to the authority to regulate buildings.

[HB3184](#): Relating to public notices.

[HB3257](#): Relating to toxic chemicals.

[HB3329](#): Relating to smoke shops.

[HB3379](#): Relating to voluntary contribution programs; appropriating money.

[HB3429](#): Relating to the wood content of buildings constructed using state funding.

[HB3487](#): Relating to state agency fees.

[HB5023](#): Relating to the financial administration of the State Forestry Department; appropriating money.

[HB5031](#): Relating to state financial administration; appropriating money.

[HB5033](#): Relating to state financial administration; appropriating money.

[HB5050A](#): Relating to state financial administration; appropriating money.

[HJR7](#): Proposing revision of Oregon Constitution relating to responses to catastrophic disasters; and requiring approval by a two-thirds majority.

[SB161](#): Relating to unattended dispensing of gasoline.

[SB293A](#): Relating to landlord-tenant law.

[SB466](#): Relating to state finance.

[SB5537](#): Relating to the financial administration of the Department of State Police; appropriating money.

[SB5541](#): Relating to the financial administration of the Department of Public Safety Standards and Training; appropriating money.

[SB5546](#): Relating to the financial administration of the Department of Veterans Affairs; appropriating money.

[SB686](#): Relating to tax credits for insurers transacting fire insurance; prescribing an effective date.

[SB69](#): Relating to fireworks.

[SB783](#): Relating to the Oregon Indoor Clean Air Act.

[SB786](#): Relating to public body fees.

[SB840](#): Relating to dwellings with fire sprinkler systems.

[SJR13](#): Proposing amendment to Oregon Constitution relating to transportation.

DATA Connection

News from the Data Collection & Research Unit

Survey says...

In January, the Office of State Fire Marshal completed a Fire Prevention and Life Safety Education survey of Oregon's fire educators. The purpose was to identify resource and training needs of fire and life safety educators and use the information to augment and improve the services the OSFM provides fire agencies.

A total of 100 public educators responded to the survey, equaling a 51% response rate. The respondents made up a cross-section fairly representative of Oregon's fire service in terms of the number of volunteer and career agencies and range of jurisdiction sizes.

Respondents suggested 128 potential topics for OSFM public education training. The majority of the topics involve education directed at target populations, particularly youth, senior, ethnic, bilingual, people with disabilities, and low-income. Several home and family safety topics were also suggested. Respondents expressed a preference for in-person training rather than internet classes or printed materials.

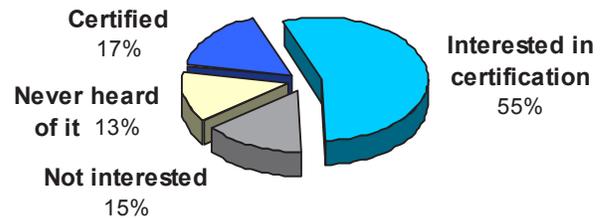
Respondents also expressed interest in professional development topics, particularly certification. Only 17% of respondents indicated they are NFPA 1035 certified. However, 55% expressed interest in becoming certified. (NFPA 1035 is the *Standard for Professional Qualifications for Public Fire & Life Safety Educator*)

The survey revealed a critical lack in use of data for planning public fire education and in program evaluation:

- One out of two respondents said they do not use local or state fire incident data to support their public education activities.
- A majority (70%) of respondents are not using the USFA's five-step process for public fire education planning.
- One out of six respondents indicated they currently do not evaluate their public education activities.

At the same time, however, several respondents requested data-related topics for OSFM public education training such as how to determine specific prevention education needs for their coverage area and how to evaluate program effectiveness. The interest expressed in data-related and professional development topics shows a strong commitment to improving the quantity and quality of data-driven fire prevention and life safety education.

Are you familiar with NFPA 1035?



The OSFM's materials and programs were rated 'Good' or 'Excellent' by the majority of those who were familiar with them. However, survey results indicated a need to increase awareness of the OSFM's offerings. Respondents felt the OSFM website needed to become more user-friendly with a more direct way to find what they are looking for.

Based on the results of this survey, the OSFM identified 27 specific action items to improve its services. To learn more about the survey and the action items, [read the full survey report](#) on the OSFM website.

Oregon Fire & EMS Bridge™ Administrator training April 20th

Image Trend Inc., the vendor of the Oregon Fire & EMS Bridge™ (OFEB) system, is conducting a day-long training workshop in Salem on April 20th. This workshop is intended for fire or EMS agency staff who serve, or will serve, at an 'administrator' permission level in OFEB. Attendees will learn how to set up their agency in OFEB and use the various modules and tools the system offers. Staff from the OSFM and EMS & Trauma Systems also will be on hand to answer questions. To register, contact Dave Gullledge at 503-934-8273.

LEPC Highlights

by Planning and Training Assistance Program
Coordinator Terry Wolfe

Timing is everything

Last month, the OSFM Emergency Response Unit held an exercise involving the Hazardous Materials Emergency Response Teams, Urban Search and Rescue Teams, Incident Management Teams, and other local and state disciplines.

Shortly afterward, the importance of this type of exercise hit home as we watched Japan experience a magnitude 8.9 earthquake. Watching the disaster unfold, I couldn't help but think that at some point in the future, the world will be watching as we struggle with the loss and devastation from this type of event.

It's not just the initial earthquake and tsunami we should plan for, but the secondary and tertiary disasters as well. Anywhere the ground shakes hard enough, communications will be gone, transportation will be at a stand still, buildings will fall, pipes will fracture, tanks will rupture, and millions of units of hazardous materials escape containment.

None of us are naïve enough to believe when a major earthquake strikes, help will be here right away. We will need to survive on our own and respond to the communities and citizens that will need our help. Advanced coordination is the key.

When the OSFM began revising Oregon's Local Emergency Planning Committee system, we knew having a group with all disciplines present was critical to addressing response to a hazardous materials release. We also acknowledged the great potential these groups could achieve if allowed to address "all-hazard" issues as well. That's why Oregon's LEPC system includes this ability. In areas where emergency response infrastructure is lean, an LEPC with all disciplines together in one venue will be better equipped to coordinate all emergency issues.

The OSFM encourages you to use your LEPC to address local emergencies and hazardous material releases. If you don't have an LEPC in your area and would like to start one, give us a call and our staff will help you build a unique tool for pulling your local responders and communities together to prepare for what is to come.

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Fire grant update

by Hines Lieutenant/Grant Writer Jonathan Manski

Fire Prevention & Safety grant applications have been through the peer review process and are now undergoing technical review. The award announcements may start soon, but not likely before a bit further into completion of the ongoing Assistance to Firefighters Grant (AFG) program.

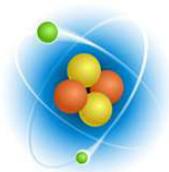
The 2010 AFG peer review "turn down letters" are either in hand or will be very shortly, as we wind down on formal award rounds for last year's program. Oregon did well again this month with 12 awards delivered. For those of you keeping track, as of the end of March, overall we are running a 27% project success rate. That's not far out of line from the last four years. We are also experiencing a greater than 13% success rate for vehicles, which is actually better than we have done since 2007.

Although there still isn't any word on the 2011 AFG workshop schedule, bets are the workshops may open this month, I think . . . we hope . . . maybe. Predictions of this sort are risky at best. The 2011 program shouldn't start before the 2010 program finishes so I believe we are getting close. Watch for an update on this at the [Fire Grant Support website](#).

Finally, after a six-week-long cold streak in the SAFER 2010 program, a couple Oregon departments, Depoe Bay and Stayton RFPD have captured very nice recruitment and retention grants. Way to go!

The head of the Federal Emergency Management Administration testified before the U.S. House Committee on Homeland Security late last month and requested \$250 million for the upcoming 2012 AFG & FP&S programs. That represents a significant reduction in program funding that should have Oregon grant writers re-evaluating their projects to make sure any requests in 2011 fit within the highest of the programs priority objectives. The bottom line here is, it is just going to get tougher to keep funding streams flowing and it's prudent to work on your most pressing needs first.

[Visit the FEMA website](#) for the latest federal grant information.



Acrolein $\text{CH}_2=\text{CHCHO}$

Description:

- Synonyms: 2-propenal; acraldehyde
- Colorless to yellow liquid with a pungent extremely acrid choking odor
- CAS No.: 107-02-8
- EPA Section 302 EHS: 71 gal/500 lbs
- EPA Section 112R : 717 gal/5,000 lbs
- EPA Section 304 EHS: 1 pound
- OSHA Process Safety Management (PSM): 21 gal/150 pounds

NFPA 704 Information:

- Health: 4
- Flammability: 3
- Reactivity: 3
- Special: None

Uses and Occurrences:

- Can be produced by combustion of many organic compounds including vegetable oil
- Used as a chemical warfare weapon in WWI

Reactivity and Fire Risk:

- Unstable; polymerizes readily unless stabilized
- May form explosive peroxides
- Hydroquinone may be added as a stabilizer
- Strong shock or heat may cause detonation
- Flammable liquid, LEL: 2.8%; UEL: 31.0%
- Flash point: -15°F ; boiling point: 127°F
- Auto-ignition temperature: 455°F
- Specific gravity: 0.84 (water is 1)
- Vapor density: 1.94 (air = 1)
- Incompatibles include acids, amines, alkalies, metal salts, oxidizing agents (air) and on exposure to light and heat

Health Hazards:

- OSHA PEL: 0.1 ppm (TWA)
- Immediately Dangerous to Life and Health (IDLH): 2 ppm
- Probable human lethal dose between 7 drops and one teaspoon for a 150 pound person
- Inhalation of air containing 10 ppm of acrolein may be fatal in a few minutes
- Severely irritating to eyes and skin
- May be absorbed through the skin
- Symptoms may include pulmonary edema

Fire Fighting Measures:

- Extinguishing media: Carbon dioxide, alcohol foam, flooding quantities of water
- Closed containers exposed to heat may explode
- Cool fire-exposed containers with water spray
- Vapors may polymerize explosively at elevated temperatures
- Vapors may ignite at distant ignition source and flash back

2008 Emergency Response Guidebook:

- Shipping name: Acrolein, Stabilized
- Hazard Classes: Toxic, 6.1; Flam. liquid, 3
- UN/NA: 1092; Guide # 131P
- Spill: Initially isolate 150 feet in all directions
- Table 1: Large spill - first isolate 3,000 ft in all directions

2010 Oregon Fire Code: Table 2703.1.1(2)

- Highly toxic
- Maximum Allowable Quantities (MAQ) per control area:
 - Unprotected by sprinklers or approved storage cabinets: 10 pounds
 - In sprinklered building, not within approved storage cabinets: 20 pounds
 - In unsprinklered building, within approved storage cabinets: 20 pounds
 - In sprinklered building, within approved storage cabinets: 40 pounds

Listed in Appendix E as highly toxic and Class 2 Unstable (reactive)

Incident Reporting and Information:

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

References include:

- <http://cameochemicals.noaa.gov/chemical/2300>
- Mallinckrodt-Baker, MSDS acrolein
- Specialty Gases of America, MSDS Acrolein
- NIOSH Pocket Guide 2010 (from web)
- 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

2011 Legislative Session – midpoint update

It's midpoint in the 2011 Session of the Oregon Legislature and the Oregon Legislature introduced 2,846 bills. The Office of State Fire Marshal is watching 44 of these bills. Priority bills include:

HB 2078: House Bill 2078 was crafted in collaboration with stakeholders with interests in fire service and building codes. Free of any fiscal impact, the bill streamlines ORS chapter 479 by deleting a number of statutes that are either outdated, redundant, or are in conflict with the state's current adopted fire and building code. Provisions addressed, such as minimum requirements for building construction and maintenance, are currently and will remain in the Oregon's adopted building and fire codes. Firefighter Representative Matthews carried the bill to the House floor, where it passed with a 59-0 vote. It waits for action on the Senate side.

SB 69-A: Created through collaboration with citizens, the fire service, law enforcement, and the fireworks industry, SB 69-A revises most of ORS 480 clarifying statutes for retail and agricultural fireworks applicants, as well as the fireworks industry. Revisions include:

- Amending language and revising penalties for illegal fireworks use and possession. The penalty for less than 50 pounds gross weight of illegal fireworks will be a Class A violation. For 50 pounds or more, a Class A misdemeanor.
- Lengthening retail permit application deadlines from 15 days prior to sale to 30 days prior to sale.
- Allowing additional businesses, such as golf courses, to use pyrotechnic devices to protect their property from damage by birds and other animals.

In a recent work session, the Senate Judiciary Committee clarified the bill's amendment, met the concerns of the Fireworks Law Review Committee, who crafted the initial bill, and addressed the concerns of the agricultural community. Committee member, Senator Kruse from Roseburg, declared a conflict of interest, while opposing the bill because more than one agency was involved in the permitting of agricultural fireworks. Still, he recommended the bill go to the floor. Senator Whitsett joined in opposing the bill. Senator Prozanski will carry

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the bill to the floor, though he acknowledged fixes could be made on the House side. The bill moved out of committee with a 3-2 vote in favor.

HB 2525 & SB 686, are duplicate bills extending sunset of tax credit for insurers transacting fire insurance and affects the Fire Insurance Premium Tax (FIPT). February hearings, supported by the insurance industry, highlighted services funded by FIPT at the Office of State Marshal, Department of Public Safety and Standards, and State Police Arson. HB 2525 passed unanimously out of the House to the Joint Tax Credit Committee with a do-pass recommendation. SB 686, however, is stalled in the Senate Business, Transportation and Economic Development Committee. Preliminary revenue losses to the state, between the corporation income and state insurance taxes paid by the insurance companies, are under review.

For more information, see page 8 and click the link to review the bill status. Contact Donna Disch-Curtis, Senior Policy Analyst, Donna.Disch@state.or.us or 503-934-8275

In memoriam

Andrew "Drew" Holmes

April 1947 – February 2011

After retiring from Southern Pacific Railroad, Drew dedicated much of his life to public service. He was a founding member of the Oregon Office of State Fire Marshal's Incident Management Team (IMT) Communication Unit, a member of the Amateur Radio Emergency Service, the Deschutes County Search & Rescue and Emergency Management, and a volunteer with the Oregon Department of Transportation.

During his time with the IMTs, Drew helped retrofit the Communications 1 vehicle and volunteered countless hours on maintenance, inventory, and upkeep of the vehicle; he also responded to a number of declared conflagrations such as the B&B Complex, Black Crater, and D. Harris fires. He also assisted during the Vernonia Floods in 2007.

He befriended and mentored dozens of people in their emergency communications roles and he will be missed.

