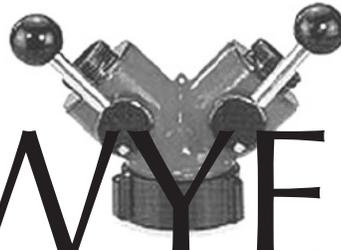


GATED WYE



March 2012 · Oregon Office of State Fire Marshal · 4760 Portland Road NE · Salem Oregon 97305-1760 · No. 338

Achievements recognized at hazmat conference

In February, members of Oregon's regional hazmat response teams, along with representatives from partner organizations such as local emergency planning committees, the FBI, local law enforcement, and other state agencies attended the fourth biennial Oregon Hazardous Materials Response Teams Conference in central Oregon.

"Managing Chaos through Competence" was the theme of this year's conference in which more than 150 attendees participated in training and networking in a forum designed to enhance the collaboration between team members and response partners.

Courses included hands on training on railroad and radiation responses to classroom instruction on hazmat tactics and hazmat identification.

The conference also provided the opportunity for team members to receive special recognition for the following awards:

- **Call of the Year** to HM3 Gresham/Multnomah County and HM7 Portland for their response to a

nitrogen dioxide incident in May 2011.

- **Behind the Scenes** to Jerry Hochderffer of HM13 Salem for his behind the scenes contributions to the success of a team or the regional hazmat emergency response teams program.
- **So Others Will Succeed** to Mark Truax of HM11 Astoria for his tireless work helping hazmat teams succeed.
- **OSFM Appreciation Award** to Bill Henle for his career as team representative for HM7 Portland during the '90s and his work training hazmat teams and technicians for the past decade.

Award recipients were nominated by their peers and selected by committees.

Visit the OSFM website for [more information on Oregon's Regional Hazardous Materials Emergency Response Teams program.](#)

HMEP grant application period now open

The FY 2013 Hazardous Materials Emergency Preparedness (HMEP) grant application period is open until April 2, 2012.

The purpose of the grant program is to:

- increase effectiveness in safely and efficiently handling hazardous materials accidents and incidents,
- enhance implementation of the Emergency Planning and Community Right-to-Know Act, and
- encourage a comprehensive approach to emergency training and planning by incorporating the unique challenges of responses to transportation situations.

[You may access the application kit online.](#)

For more information, contact Stephanie Stafford at 503-934-8219 or stephanie.stafford@state.or.us, or Sue Otjen at 503-934-8227 or sue.otjen@state.or.us.

From the desk of the State Fire Marshal



“[you]... can access this information through the Hazardous Substance Information System and an internet-based search tool called E-Plan.”

– SFM Mark Wallace

Hazardous substance reporting in your jurisdiction

A look at some of the past year’s headlines reveals a number of significant incidents involving releases or threatened releases of hazardous substances. Although these incidents were mitigated with minimal harm, they highlight the importance of first responders knowing about hazardous substances located in their jurisdiction.

The OSFM Community Right to Know (CR2K) program exists to ensure communities and first responders have access to information about the presence of hazardous substances in their areas. Business and government locations with the potential to have hazardous substances are surveyed annually to collect information about the type, quantity, and location of hazardous substances stored at these locations.

Oregon fire departments can access this information through the [Hazardous Substance Information System](#) (software that can be installed on your department’s computers) and an internet-based search tool called [E-Plan](#).

These resources allow you to search for facilities in your area and view information about substances stored at their locations. This can be vital information for pre-planning activities, or when responding to an incident.

While our CR2K program strives to ensure all facilities with hazardous substances are reporting, fire department personnel may encounter facilities with hazardous substances they have not reported.

I encourage all departments to refer these situations to our office so we can work together to bring the facility into reporting compliance. This enhances the safety of first responders, the public, and the facility itself. Our CR2K Unit also has free outreach materials available to educate businesses on hazardous substance reporting requirements.

To notify the CR2K Unit of a non-reporting facility, or request outreach materials, call our CR2K Hazardous Substance Information Hotline at 800-454-6125.



**State Fire Marshal
Mark Wallace**

**Office of
State Fire Marshal**

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

**www.oregon.gov/OSP/SFM
503-934-8200**

Administration
ext. 211

Codes & Technical
Services
ext. 269

Community Education
ext. 236

Community
Right-to-Know
ext. 214

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& 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 email richard.hoover@state.or.us. In compliance with the Americans with Disabilities Act, alternative formats of this publication are available.

2012 Legislative Update

With the session moving quickly to a close, many bills are now dead. Bills on funding and administrative rules continue on their path through the process, including bills modified by amendments. The Office of State Fire Marshal continues to watch only a few bills.

Captive Insurance, Senate Bill 1547A

Issue: Not currently in Oregon, the bill allows formation of captive insurance as a subsidiary of a business. Initially thought to have some small impact on the OSFM Fire Insurance Premium Tax, a revenue impact statement clarifies, "... the premiums by captive insurers are not subject to premium assessment and there are no retaliatory taxes on these premiums. Incomes of captive insurers will be subject to corporate excise taxes... The fees a captive insurer pays (to the Department of Consumer and Business Services) for obtaining and renewing a certificate of authority are in lieu of any payment of premium assessment on receipt of premiums by the captive insurer."

The OSFM is a member of the Joint Fire Service Legislative Committee, which convenes to review bills affecting the Oregon fire service. Representatives from the Oregon Fire Chiefs Association (OFCA), Oregon Fire Marshals Association (OFMA), Oregon Fire District Directors Association (OFDDA), Oregon Volunteer Firefighters Association (OVFA), Oregon Firefighters Association, and the League of Cities. Both Genoa Ingram, representing OFMA, OFDDA and OVFA, and Nicole Palmateer, representing OFCA, identified Senate Bill 1559:

9-1-1, Senate Bill 1559B

At the time of this writing, the bill carried by Senator Boquist, passed the Senate and moved to the House where it was referred to the Rules Committee.

Issue: Supported initially by APCO/NENA, representing first responder communicators, the bill changed from its initial version dealing with 9-1-1 and multiline telephone systems, to requiring moneys from the Emergency Communications Account to go to cities and counties for direct distribution to 9-1-1 jurisdictions.

Funding of 9-1-1 centers is a priority for fire districts across the state. The Board of Directors

of the OFDDA voted at its January 21 meeting to unanimously support the bill. They consider SB 1559 to create:

- More transparency
- More direct approach to financing the 9-1-1 system
- Less paperwork
- Clear paper trail
- Easier to track and audit funds

For more on bills monitored by the Office of State Fire Marshal, visit the [OSFM 2012 Legislative Information webpage](#). You may also contact Senior Policy Analyst Donna Disch-Curtis at Donna.Disch@state.or.us or 503-934-8275.

New fire safety education materials available

The Fire & Life Safety Education (F&LSE) Unit has two new informational brochures available for interested departments and organizations. The brochures address recent spikes noted in fire and fatality causes.

The "[Home Heating Safety](#)" brochure give tips on safely heating a home and covers topics such as combustibles too close to heating sources, and woodstoves.

A second brochure, "[Recreational Vehicle Home Fire Safety](#)," addresses overall fire safety for those who use recreational vehicles as a fixed residence.



In addition to the new materials, the online material order form has been revised to allow for easy reviewing of any material by clicking on the name on the order form. [You can access the new order form here.](#)

For more information on the new materials, or other services provided by F&LSE Unit, email osfm.ce@state.or.us, or call 503-934-8266.



Fire chief and fire marshal competency recognition requirements

As a result of complaints by industry to the Governors Fire Service Policy Council in 2003 relating to inconsistent applications of the fire code, the Oregon Office of State Fire Marshal conducted investigations that confirmed inconsistent application of the fire code was a statewide problem. Consequently, the OSFM and the Oregon Fire Marshals Association established a program to develop standardized certification and training requirements for fire code enforcement. This program is overseen by a Competency Recognition Advisory Committee.

Based on input from the committee, the State Fire Marshal determines the training, technical certification, and experience required to administer and enforce fire code in Oregon. Oregon fire departments determine the level of code enforcement services they provide to their communities and ensure that all code enforcement personnel meet the training and technical certifications for their scope of practice.

As required by [ORS 479.165](#), [ORS 476.060](#), and [OAR 837.039](#), fire code enforcement requires staff to meet a level of competency recognition by completing certain requirements. The following is a summary of the statutes and rules that qualify the competency recognition program requirements:

479.165 Certification of fire officials; rules. In accordance with any applicable provisions of ORS chapter 183, the State Fire Marshal, by rule, shall establish a certification system for fire officials who review plans, new construction, alterations, and specifications from a uniform fire code.

ORS 476.060 Local officers and constables as assistants to State Fire Marshal. If no fire marshal exists, the fire chief shall be, by virtue of the office held, assistant to the State Fire Marshal, subject to the duties imposed by law, and subject to the direction of the State Fire Marshal in the execution of ORS 476.070, 476.090, 476.150, 476.210, and 480.445.

OAR 837-039-0110 Certification and Training Requirements for Plan Review. All fire officials who

review plans for new construction, alterations, and specifications must obtain an ICC Fire Inspector II and ICC Fire Plans Examiner certification or equivalent certification approved by OSFM. All fire chiefs and every assistant to the State Fire Marshal must complete the OSFM Fire and Life Safety Awareness I course. Fire officials who review plans for fire department access and fire protection water supplies must also complete the OSFM Fire and Life Safety Awareness II course.

OAR 837-039-0120 Certification and Training Requirements for Conducting Fire Code Enforcement. Every person who performs fire code enforcement must possess an Oregon Fire and Life Safety Competency Recognition certificate for the scope of work being performed.

All persons seeking to perform within the scope of practice for a Fire and Life Safety Specialist I, Fire and Life Safety Specialist II, or Fire Marshal, must [apply for Oregon Fire and Life Safety Competency Recognition](#) through the OSFM. These levels must be renewed every three years.

[Visit the OSFM Competency Recognition webpage](#) for more information.

Eastern Oregon Juvenile Firesetter Intervention Specialist 1 training in April

OSFM's Youth Fire Prevention & Intervention program, in cooperation with Treasure Valley Community College, is conducting Juvenile Firesetter Intervention Specialist 1 training April 12-13, 2012 in Ontario, Oregon.

The class prepares students for task book completion required by the Department of Public Safety Standards and Training for NFPA 1035 certification as a Juvenile Firesetter Intervention Specialist 1 in Oregon. [Registration and information are available online.](#)

When: April 12-13, 2012 (Registration required)
Time: 8:30 a.m. – 4:30 p.m. each day
Where: Treasure Valley Community College
650 SE College Blvd., Ontario, OR .

For more information, contact krista.fischer@state.or.us or 503-934-8240, or judy.okulitch@state.or.us or 503-934-8230.

DATA Connection

News from the Data Collection & Research Unit

Reporting Requirements

The Office of State Fire Marshal is required by law [ORS 476.090] to keep a record of all fires occurring in the state. In order for the OSFM to meet this obligation, local fire agencies in Oregon have requirements to report fires, as well as hazardous material incidents that meet certain criteria. The following are key reporting requirements for Oregon fire agencies:

- Every fire agency in Oregon is required to investigate each fire occurring in their jurisdiction and submit a full report of every fire to the OSFM [ORS 476.210].
- Fire reports containing all facts related to a fire are required to be submitted to the OSFM within one week of the occurrence of the fire [ORS 476.220].
- These reports need to be submitted to the OSFM in an electronic format that is compliant with NFIRS 5.0 standards. Fire agencies can report directly through the state's incident reporting system, Fire Bridge™, or they can provide reports through independently purchased software. Paper reports are not accepted without prior approval.

Any fire that involves a death or serious injury must be immediately reported to the OSFM [ORS 476.210].

This notification is in addition to including the serious injury or death in your NFIRS report. To make this notification, fire agencies need to email or fax a copy of the OSFM Fire Fatality Report, to the OSFM within 24 hours of the death or serious injury.

A copy of the [OSFM Fire Fatality Report](#) can be found on our website.

Emergency service personnel responding to an incident of threatened or actual injury to a human, wildlife, domestic animal, or in which damage

to the environment, or any property loss occurs resulting from a chemical substance or waste incident must file a report of the incident to the Office of State Fire Marshal within ten working days [OAR 837-085-0380].



The following incidents are exempted from the reporting requirements of this rule:

- motor fuels which are spilled in quantities of less than 42 gallons from a vehicle, unless it enters a waterway or is determined to endanger the public safety or immediate or surrounding environment, including groundwater
- sewage overflows
- structure fires or other emergencies where hazardous substances are involved as exposures, if the quantities exposed are less than 42 gallons

These reports should be submitted to the OSFM in an NFIRS report with the Hazmat Module completed. Paper reports (goldenrod forms) will no longer be accepted.

For more information on reporting, please visit our website to review a copy of the [OSFM Reporting Policy](#).

Questions? Please contact the Data Collection & Research Unit at 503-934-8250 or toll free 877-588-8787. You can also e-mail us at osfm.data@state.or.us.

Oregon commodity flow study available

Through a Hazardous Materials Emergency Preparedness grant administered by the Office of State Fire Marshal, the Oregon Department of Transportation collaborated with Oregon State University in a study of transportation patterns of hazardous materials on Oregon highways during 2010. The study is available on CD at no cost.

Since Oregon weigh stations have records of hazardous materials transported in the state, the objective of the study was to select a probability sample of these weigh station records and ask companies that transported materials to provide route information for a sample of selected trips.

This information is important to Oregon to learn more about the transportation patterns of hazardous materials in the state and for hazmat responder preparation.

You can order a copy by contacting Stephanie Stafford at 503-934-8219 or stephanie.stafford@state.or.us.

Free earthquake and tsunami workshops in March

The Oregon Office of Emergency Management (OEM) is hosting a series of free earthquake and tsunami preparedness workshops around Oregon during March. Current workshop dates and locations include:

- March 11, Tillamook (Tillamook Comm. Coll.)
- March 13, Pacific City (Kiwanda Comm. Center)
- March 18, Eugene (U of O Student Union)
- March 20, Winchester Bay (Marine Activity Center)
- March 20, Reedsport (Pacific Auditorium)
- March 22, Coos Bay (North Bend Comm. Center)
- March 23, Bandon (The Barn Conference and Community Center)

For complete workshop information, along with earthquake and tsunami safety tips, [visit the OEM website](#).

Fire grant update

by Hines Lieutenant/Grant Writer Jonathan Manski

Results from The Assistance to Firefighters Grant (AFG) program continue to trickle in for fire departments in Oregon. This year, a large chunk of the available funding nationally went to regional communications projects.

Remember, FCC narrowbanding requirements go into effect next January (2013). These regional projects tended to be large expensive awards that ate up a significant portion of program dollars. Hence, the limited number of awards for individual departments. Nationwide, it looks like there will be around 3,000 awards this year, compared to 5,000 plus over the course of the last several years.

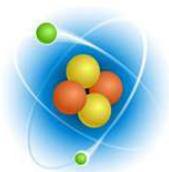
An interesting fact (to me anyway), is that 81 percent of Oregon fire departments have received at least one AFG award since the program was developed. Even more interesting, is that almost 13 percent of Oregon's fire departments have never submitted a single application. Surely, it can't be because they couldn't use the funds for training, equipment, PPE, or a new vehicle.

Although grant funding is a competitive process, I would hope that those of us who have been successful can share some insight or encouragement with our neighboring departments who still simply struggle to get started.

Likely, it seems that the Fire Prevention & Safety grant program should be open for applications next month. The bad news is that departments find it difficult to receive awards in this program, and Oregon has suffered from a steady decline in interest. In 2007, there were 48 applications; last year (2010) there were only 28 submissions.

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





Sodium Azide NaN_3

Description:

- Synonyms: Sodium salt of hydrazoic acid
- Odorless, colorless to white crystalline solid
- CAS No.: 26628-22-8
- EPA Section 302 EHS TPQ: 500 pounds
- EPA Section 304 RQ: 1000 pounds
- OSHA Process Safety Management: Not listed

NFPA 704 Information: Ratings vary by source

- Health: 3 to 4
- Flammability: 0 to 1
- Reactivity: 0 to 3
- Special: None to water reactive

Uses and Occurrences:

- Manufactured not naturally occurring
- Used in laboratory reagents
- Intermediate in pharmaceuticals
- Used in car air bags

Reactivity and Fire Risk:

- Stable under recommended storage conditions
- Decomposes rapidly or explosively at about 572° F
- Potential for dust explosion
- Contact with acids liberates hydrazoic acid vapor, very toxic and explosive
- Contact with water releases hydrazoic acid which volatilizes at 99° F
- Shock and heat sensitive – may explode
- Contact with many metals, such as lead, silver, mercury or copper may result in formation of explosive sensitive metal azides
- Can be sensitized toward decomposition by metal salts such as silver chloride or traces of strong acids
- Contact with metals may evolve hydrogen gas
- Incompatible materials include: water, oxidizing agents, metals and acids

Health Hazards:

- NFPA 1 Annex B Hazardous Materials Classification B.2.2.1.1.3 highly toxic
- LD50: 27 mg/kg (oral rat)
- OSHA PEL : None listed; IDLH: None listed
- May be fatal if inhaled, ingested or absorbed through the skin

- Symptoms may include abnormally low blood pressure, rapid heart rate, low body temperature and convulsions
- Effects may be delayed
- May cause burns to skin and eyes

Fire Fighting Measures:

- Extinguishing media: Dry chemical, carbon dioxide, foam
- Use flooding quantities of water as fog
- Do not get water inside containers

2008 Emergency Response Guidebook:

- Sodium azide, Hazard Class 6.1 (Toxic Substances); UN/NA: 1687; Guide # 153
- Spill: Initially isolate 75 feet in all directions
- Fire: Tank, rail car, tank truck: Isolate ½ mile

2010 Oregon Fire Code: Table 2703.1.1(1)

- 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

Incident Reporting and Information:

- Facilities currently reporting sodium azide on the Hazardous Substance Survey: 4
- Hazardous materials incidents reported in Oregon since 1986: None

References include:

<http://cameochemicals.noaa.gov/chemical/1474>
<http://www.cdc.gov/niosh/npg/npgd0560.html>

- Fisher Scientific MSDS Sodium Azide
- Northeastern University Fact Sheet #3 Sodium Azide
- Alkali Metals, Ltd. MSDS Sodium Azide

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

Command and general staff training in Tillamook

The Tillamook County Fire Defense Board Training Officer's Association is hosting a free week-long training on Command and General Staff Functions for Local Incident Management Teams, March 26-30, 2012 at the Tillamook 9-1-1 Center. Prerequisites include ICS 100, 200, 700, and 800

The course focuses on the use of Incident Command System (ICS) in managing large-scale/complex incidents. At the end of the course, through instructor-driven lecture, class participation, active contributions to interactive activities, and simulations, students will be able to demonstrate knowledge of the ICS and the Command and General Staff functions as they affect planning and implementation of the ICS for an incident at the local level.

To register, email Chief Rick Adams at radams@tillamookfire.com.

OSFM new employee

Renee' Stryker

Fire & Life Safety Education Specialist

A native of Monmouth, Oregon, Renee' has worked for the state for 20 years, most recently as a Contracts & Procurement Analyst for the Oregon Department of Transportation. She has also held positions at the Department of Aviation, and the Department of Education. She has training in accounting, human resources, and contracts and procurement.

Renee' has been married nearly 30 years, and has three grown sons. When not working, she enjoys a number of outdoor and water sports, and spending time with family.

"The staff here has been very welcoming and friendly. It's like a family and makes for a good working environment. I'm glad to be a part of the SFM team and to continue learning more about fire safety."

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NFA fire prevention class available in Salem

The OSFM and the Department of Public Safety Standards and Training (DPSST) are partnering to hosting a free National Fire Administration Training *F-273 Marketing Fire Prevention in Your Community*, April 30-May 1, 2012 at the Oregon Public Safety Academy in Salem. No prerequisites are required.

The training is designed for those looking to learn new approaches to deal more easily with their community's fire and injury challenges. Training is open to all emergency personnel including volunteer, career, and allied professions. The class is intended primarily for those who are serving or have served in operations, and who seek to learn about more effective ways of combating the fire problem.

There are a limited number of dorm rooms at the academy for students who need housing at no cost. If you are traveling 75 miles or more one-way, you qualify. Request dorm room housing by contacting Rebecca Nolte at rebecca.nolte@state.or.us or 503-378-4399 no later than April 15, 2012.

Lunch is provided to all attendees. Those staying overnight at the academy receive breakfast, lunch, and dinner.

[Register online](#). Deadline to register is April 15, 2012. For more information, contact Thelma Denney at 503-378-2408 or thelma.denney@state.or.us.

Annual fire defense board meeting

Save the date! The Annual Fire Defense Board Meeting will be held Tuesday, April 17, 2012 at the Office of State Fire Marshal, in Salem. There will not be a meeting during the Oregon Fire Chiefs Association's conference this year.

For those interested, the OSFM will conduct a basic Mobilization Plan and Fire Defense Board Training prior to the annual meeting. An agenda will be emailed in March.