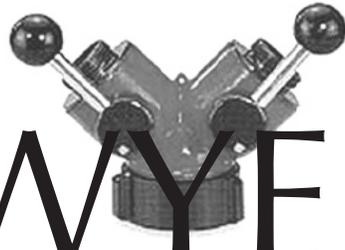


GATED WYE



January 2011 · Oregon Office of State Fire Marshal · 4760 Portland Road NE · Salem Oregon 97305-1760 · No. 324

In memoriam



Paul A. Nees

May 1952 - November 2010

Former Deputy State Fire Marshal Paul Nees passed away November 28, 2010 after an 18-month battle with multiple myeloma cancer; he was 58 years old.

Due to his illness, Paul retired from the Office of State Fire Marshal in July 2010. He spent his career as a firefighter and working in fire safety in California, Missouri, Oklahoma, and Oregon.

Memorial donations in honor of Paul Nees can be made online at the [Firefighter Cancer Support Network](#), or by standard mail at Firefighter Cancer Support Network, 1320 North Eastern Ave., Los Angeles, CA 90063.

OSFM staff donate generously to state toy drive

Staff from the Oregon Office of State Fire Marshal raised just over \$1,100 for this year's State Agency Toy Drive.

OSFM Compliance and Education section staff members, who organized this year's OSFM toy drive, used the money to purchase toys and deliver them

offices outside the capital area and delivered to local Salvation Army locations.

In Salem, the Oregon National Guard plays a big role in the event every year by using trucks to transport the toys from the capitol to the Salvation Army's storage and sorting center.



Left to right: Micheline Stubblefield, Stephanie Stafford, Lori Van Dan Acker, and Nicole Lewis from the Compliance and Education section with baskets of toys prior to loading them up and taking them to the capitol.

to the state capitol. A total of 25,000 toys were donated by state agencies and distributed by the Salvation Army's Toys for Joy program to families in need. Toys collected and distributed include those collected by state

A big thank you goes to the OSFM staff and all other state employees who participated in another successful toy drive.

From the desk of the State Fire Marshal



Even though I will miss the OSFM staff, my colleagues, and many others in the fire service, I am looking forward to new challenges in this next phase of my life.

It's been a heck of a ride

As I reflect on my 33-plus years in the fire service, I can't imagine having done anything else. I have been blessed with the opportunity to work for, and with you. I can't thank all of you enough for the support, guidance, and encouragement you have provided me and this office during my tenure as your state fire marshal and as chief deputy prior to that. Even though I will miss the OSFM staff, my colleagues, and many others in the fire service, I am looking forward to new challenges in this next phase of my life.

I recall riding on the tail board of an engine in 1977, our air packs stuffed in suitcases on the rig, scaring children with pictures of fire to teach them how dangerous it is, and to never play with matches. Now, I can reflect on just how far we have come in improving the safety of our firefighters and advancing public fire safety education.

Over the past five and a half years, we have experienced a number of changes here at the agency such as: streamlining the State Mobilization Plan, marketing the office, reorganizing for better customer service, online incident reporting which now includes EMS calls, and improving our schools' public safety education, just to name a few.

I know this agency will continue to improve and provide the best service to the citizens of this great state, and to members of the best fire service around. The OSFM staff are some of the most hard working and professional individuals I have ever worked with. One of my favorite quotes is by the great NFL coach Vince Lombardi, "The achievements of an organization are the results of the combined effort of each individual." This perfectly fits the attitude of the OSFM staff.

I wish you all a wonderful and safe life, and I leave you with one more quote from Coach Lombardi that I feel represents the core of the Oregon Fire Service: "Perfection is not attainable, but if we chase perfection we can catch excellence."



State Fire Marshal Randy Simpson

Office of State Fire Marshal

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Administration
ext. 211

Codes & Technical
Services
ext. 269

Community Education
ext. 236

Community
Right-to-Know
ext. 214

Data Services
ext. 273

Emergency Planning &
Response
ext. 227

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ext. 238

Fire & Life Safety
ext. 204

Firesetter Intervention
ext. 230

License & Permits
ext. 264

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.

Simpson photo courtesy of ODOT Photo and Video Services.

Competency Recognition Program requirements updated

Based on recommendations from the Competency Recognition Advisory Committee, State Fire Marshal Randy Simpson approved three changes to the [Competency Recognition program](#). These changes include:

1. Basic Building Code Training Equivalencies

Changed from: ICC Fire Plans Examiner, or ICC Building Plans Examiner, or college course

Changed to: ICC Fire Plans Examiner plus Oregon Inspector Certificate, or ICC Building Plans Examiner plus Oregon Inspector Certificate or college course

2. Basic Mechanical Code Training Equivalencies

Changed from: ICC Commercial Mechanical Inspector or college course

Changed to: ICC Commercial Mechanical Inspector plus Oregon Inspector Certificate, or college course

3. Oregon Fire Code Amendment Class required for maintenance of recognition

A person must take an Oregon Fire Code Amendment class once every code cycle (three years) in order to maintain certificates for the levels of Fire and Life Safety Specialist I, Fire and Life Safety Specialist II, or Fire Marshal. This class is required within the first year of the code cycle change, effective with the 2013 code cycle. Maintenance training must be completed between April 2013 and April 2014. Each code cycle, the Office of State Fire Marshal (OSFM) will provide online fire code amendment classes in iLearn. The OSFM will also offer classroom training. You can enroll using the interest list on iLearn. The amendment class requirement does not apply to the Company Inspector certificate.

The OSFM recommends all fire inspectors, investigators, and fire marshals take the Competency Recognition's core curriculum; however, if you have the above equivalencies, you may not have to. [OAR 837-039-0120 Certification and Training Requirements for Conducting Fire Code Enforcement](#) establishes statewide standards for certification and training requirements of fire of-

ficials responsible for administration of a fire code approved by the OSFM. The [Fire and Life Safety Competency Recognition](#) standards identify the scope of practice training, technical certification, and experience required to administer and enforce the fire code in Oregon.

[View your Competency Recognition Status here.](#)

[Review Competency Recognition Requirements here.](#)

For questions, contact Anita Horsley at 503-934-8249 or anita.horsley@state.or.us.

Combined response exercise planned for March

Oregon Office of State Fire Marshal staff and members of the incident management team program are organizing the second annual full-scale, all-hazards exercise involving the state's Urban Search and Rescue Task Force, hazardous materials response teams, and one of the state's three incident management teams.

This year's exercise will use an unoccupied fabrication building on the Intel campus in Aloha in a simulated collapse of a manufacturing facility.

In advance of the exercise, team members are prepping the building to simulate collapsed walls and roofs, fractured piping, leaking chemical tanks, and more.

During the exercise, props will be breached and cut with simulated floor penetration and "victim" rescue similar to recent rescue efforts after the Haiti earthquake.

Hazmat team members will conduct recon missions to identify leaks and spills from containers, tanks, and piping. Incident management team members will manage the operations.

These annual exercises are designed to test the operational effectiveness of combined rescues using the state's all-hazards emergency response resources to meet the standards established for emergency response and continuous improvement goals.

For more information, contact Tina Toney at 503-934-8212 or email tina.toney@state.or.us.

LEPC Highlights

by Community Planning Coordinator Bill Brauer

Morrow County LEPC

Morrow County applied for Local Emergency Planning Committee (LEPC) status in October 2007 and was officially recognized as Oregon's second LEPC in 2008. The core participants had been meeting regularly in this capacity for much longer and had been conducting emergency planning for all-hazards for many years.

Morrow County has also been involved with the Chemical Stockpile Emergency Preparedness Program since its inception in the early 1990's. The purpose of the program is to enhance emergency preparedness in the community surrounding the Umatilla Army Depot (a chemical warfare agent storage site). Accomplishing this mission takes extensive emergency planning efforts, a community alert and warning system, and hazard mitigation strategies designed to protect the environment from the effects of an accident during continued storage and subsequent destruction of chemical warfare agents.

The Morrow County LEPC is completing its second year as an established LEPC. Made up of more than 30 regularly participating members from local industries, public service, and emergency response agencies, they are committed to the safety preparedness of their community.

"Each member comes to the table with knowledge, resources, and a proactive approach, working to improve safety at the industrial facilities and within the surrounding communities by working together to develop and accomplish the various goals we have set as a committee," says Don Kennedy, Committee Chairman. "We are proud to be associated with such a dedicated team of professionals and encourage all communities to participate in, or form their own quality LEPC."

[More information on Oregon's LEPC program is available online](#), or by contacting Terry Wolfe at 503-934-8219 or terry.wolfe@state.or.us.

Response to FireNet testing requested

Several times every month, Oregon Emergency Response System radio operators test the State Fire Marshal's FireNet communication sites throughout the state. Dispatch centers, fire agencies, and fire apparatus who hear the tests are encouraged to reply to the test messages on the state FireNet frequency (154.280 Mhz).

Responding to the test is the only way to determine if the FireNet sites are functioning properly.

Fire agencies responding to the test message are asked to provide the following:

- Department name
- Type of receiver used when the test was heard (mobile, base, or handheld)
- Strength of signal (loud or faint, weak or strong, clear or broken)

For more information, contact Alan McMahan at 503-934-8297 or alan.mcmahan@state.or.us.

OSFM virtual "firesmart" house available on the web

The OSFM has available a web-based fire safety house called Live FireSmart. Guests can scroll over the image of a home and select items located throughout the house, garage, and back deck to view fire prevention and life safety messages. Fire agencies are free to [link to this great education aid](#) from their own websites.

Also available is a home fire escape map and a ruler/bookmark to assist with drawing on the map. The ruler and bookmark direct you to the Live FireSmart virtual safety house. [Order materials online](#), or call 503-934-8266 or e-mail osfm.ce@state.or.us.



DATA Connection

News from the Data Collection & Research Unit

Starting the new year right

Many of us start the year with resolutions. We identify and pursue something important to us, in the spirit of improving ourselves and our quality of life. Expand that concept to your fire department or district. What do you resolve to do to improve your fire agency? The Office of State Fire Marshal (OSFM) Data Collection & Research Unit wants to inspire you with a few suggestions.

Write or update your agency's Standards of Cover document.

Does your fire department or district have a Standards of Cover (SOC) document? The SOC examines a fire agency's performance with regard to the needs of the community it serves, identifies service level objectives that the agency can currently meet, and helps identify service level objectives the agency should work towards to be more effective.

A well-written SOC provides the fire chief:

- A defensible position related to strategic planning and future funding requests.
- A defensible position related to adverse events and the criteria used to make your decisions.
- A clear method to assess past, present, and future service delivery decisions.

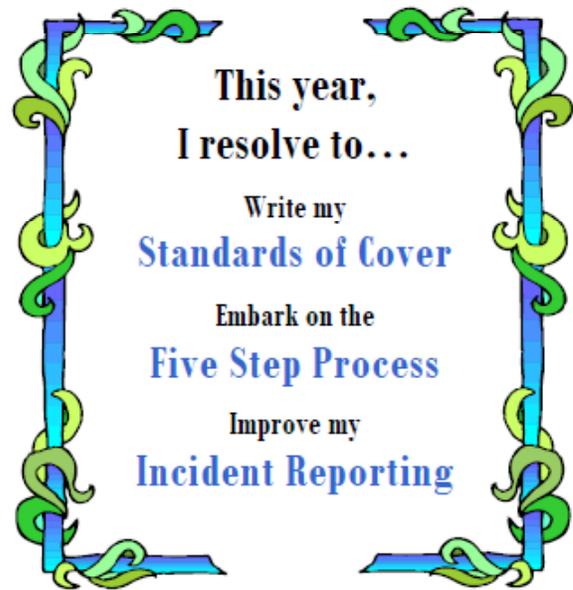
The OSFM offers several resources to help Oregon fire departments and districts prepare an effective SOC document. For templates, examples, and more information about SOC, see our [Standards of Cover page](#).

Use the 'five-step process' for your public fire education planning.

The United States Fire Administration (USFA) published a five-step planning process for developing and implementing successful fire and life safety public education programs. The OSFM encourages Oregon fire agencies to apply this process when developing the prevention strategies for their jurisdictions. Any community can be successful in reducing fires and injuries through the use of this planning process.

The five steps are: (1) conduct a community risk analysis, (2) develop community partnerships, (3)

create an intervention strategy, (4) implement the strategy, and (5) evaluate the results. Each of these steps are detailed in the [Public Fire Education Planning guide](#) available on the USFA website.



Improve the quality of your agency's incident reporting.

Complete, accurate, and timely incident reporting ensures you have quality data readily available for critical decision-making. Your data supports standards of cover, prevention programs, grant applications, and legislative issues.

- Are you providing as specific information as possible? 'Undetermined' and 'Other' codes should be used sparingly.
- Are you completing the apparatus module, so that you will have apparatus-specific response time data?
- Are you entering estimates of property and contents value and loss?
- Are you entering smoke alarm information?
- Are you entering sprinkler information?

[Reference materials](#) are available online to help with coding, estimating dollar losses and values, defining exposure fires, and best practices. Our staff is available to answer questions and provide training on the Fire & EMS Bridge™ program.

Ready to get started? The OSFM offers support to accomplish your data-driven goals. Contact us at 503-373-1540, extensions 234, 244, or 237.

NFA training in Salem

The Office of State Fire Marshal (OSFM) and Department of Public Safety Standards and Training (DPSST) are hosting two National Fire Academy courses in March 2011 at the Oregon Public Safety Academy in Salem, Oregon.

- Fire Prevention for First Responders & Small Departments, March 7– 8, 2011
- Community Risk Issues & Prevention Intervention, March 9 – 10, 2011

Classes and meals at the Oregon Public Safety Academy are free to Oregon fire agencies. Lodging is free to fire personnel living more than 60 miles from Salem.

The Fire Prevention for First Responders & Small Departments course is recommended for current and future leaders in departments serving typically less than 25,000 population. The course is open to all volunteer, career, and allied professionals. This class is primarily for those with operations backgrounds and those who want to learn more effective ways of combating the fire problem.

The Community Risk Issues & Prevention Intervention course is recommended for prevention personnel in local organizations, state prevention committees, fire marshals, inspectors, public educators, career and volunteer firefighters with prevention responsibilities, and emergency medical services personnel who coordinate community life-support programs.

[Enroll for these courses on iLearn.](#) If you already have an iLearn account and you need your Log in ID and password, contact Connie Dalke at the number below.

If you have never taken an iLearn course from the OSFM, you will need to create a new iLearn account before registering for the NFA course(s). For assistance call Connie Dalke at 503-934-8204.

Fire grant update

by Hines Lieutenant/Grant Writer Jonathan Manski

Well, lo' and behold award announcements for the 2010 Assistance to Firefighters grants have begun to flow. Although, I should actually describe it as more of a trickle. With the release of the fourth round of awards right before Christmas, three Oregon departments should be very excited about their gifts. Bend Fire Department and Irrigon RFPD received nice operations & safety awards and Central Cascades Fire & EMS received vehicle funding. After the first three rounds with no Oregon successes, thanks go to these departments for bringing good news to the state. I am aware of several additional 1199's and 10-question letters already out and Oregon should be able to stake claim to some additional Federal Fire Act Grant money very soon.

In the 2010 Staffing for Adequate Fire & Emergency Response grant program, some 1199's and 10-question letters have begun to be issued. It seems like these notices are mostly targeting rehiring laid off firefighters as opposed to the "recruitment and retention" portion of the program. I'm not sure where Oregon stands on any economic related layoffs of fire service personnel, but there were 18 departments that submitted hiring projects in this year's program. The first small awards also started right before year end, but as of now, no news about Oregon.

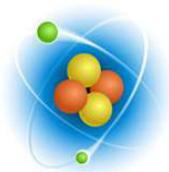
The 2010 Fire Prevention & Safety grant program is now set to open on January 3 and remain open until February 4, 2011. The Department of Homeland Security has posted a ['Get Ready Guide'](#) on their website, providing a brief overview of the program's key objectives.

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

Fire Service Appreciation Day – January 27

The Office of State Fire Marshal is hosting a formal event at the state capitol building Thursday, January 27 in honor of Fire Service Appreciation Day 2011 (time to be determined).

Everyone is invited to attend. Members of the Oregon fire service will be notified when more details are available. For questions, contact Claire McGrew at 503-934-8236.



Bromine Br_2

Description:

- Synonyms: Molecular bromine, diatomic bromide
- Dense, dark, red fuming liquid with suffocating, irritating fumes, and a halogen odor
- CAS No.: 7726-95-6
- EPA Section 302 EHS TPQ: 500 lbs
- EPA Section 304 EHS RQ: 500 lbs
- EPA Section 112(r) TQ: 10,000 lbs
- OSHA Process Safety Management (PSM) TQ: 1500 lbs.

NFPA 704 Information:

- Health: 3
- Flammability: 0
- Reactivity: 0
- Special: Oxidizer

Uses and Occurrences:

- Extracted from deep brine wells
- Used in many products including flame retardants, pesticides, and medicines

Reactivity and Fire Risk:

- Non-combustible
- Boiling point: 136° F; Specific gravity (water = 1): 3.1; vapor density (air = 1): 5.51
- Strong oxidizer
- Contact with combustibles or reducing agents may result in fire
- Reacts with water or steam to produce toxic and corrosive gases of hydrobromous acid and hydrogen bromide
- Contact with metals may produce flammable hydrogen gas

Health Hazards:

- OSHA PEL: 0.1 ppm, TWA
- Inhalation LC50 (rat): 2700 mg/m³; oral LD50 (rat): 2600 mg/kg
- IDLH: 3 ppm (From: NIOSH pocket guide)
- May be fatal if inhaled
- Corrosive to all body tissues

Fire Fighting Measures:

- Use self-contained breathing apparatus and full chemical protective equipment
- Extinguishing media: Dry chemical, CO₂, alcohol resistant foam or water spray

- Vapors can flow along surfaces to low lying areas
- A product of combustion may be hydrogen bromide, highly toxic and corrosive

2008 Emergency Response Guidebook:

- DOT Hazard Classes: 8 (Corrosive), 6.1 (Toxic)
- UN/NA: 1744; Guide # 154
- Spill: Initially isolate 150 feet in all directions
- Large spill: First isolate 1,000 feet in all directions (Table 1)
- Small spill: First isolate 200 feet in all directions (Table 1)

2010 Oregon Fire Code: Table 2703.1.1(2)

- Corrosive
- Maximum Allowable Quantities (MAQ) per control area:
 - Unprotected by sprinklers or approved storage cabinets: 500 gallons
 - In sprinklered building, not within approved storage cabinets: 1,000 gallons
 - In unsprinklered building, within approved storage cabinets: 1,000 gallons
 - In sprinklered building, within approved storage cabinets: 2,000 gallons

Incident Reporting and Information:

- Facilities in Oregon currently reporting bromine on the Hazardous Substance Information Survey: Three
- Hazardous materials incidents reported in Oregon since 1986: Three

References and Resources:

1. Mallinckrodt Baker, Inc, Bromine MSDS
2. Great Lakes Chemical Corp., Bromine MSDS
3. ScienceLab.Com, Bromine MSDS
4. EPA List of Lists, October 2006

Fatal accident: Haifa, Israel November 2010

[NIOSH online bromine link](#)

[NOAA online bromine link](#)

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

Fire & life safety recognition



Photo by Kate Stoller, TVF&R

Retiring Supervising Deputy State Fire Marshal Dave Jones presents Tualatin Valley Fire and Rescue Fire Inspector Kelly Henry with her Fire & Life Safety Specialist I certificate.



Photo by Kate Stoller, TVF&R

Retiring Supervising Deputy State Fire Marshal Dave Jones presents Tualatin Valley Fire and Rescue Fire Inspector Jeffery Lee with his Fire & Life Safety Specialist II certificate.



Photo by Terry Riley, MCFD # 1

Retiring Supervising Deputy State Fire Marshal Dave Jones presents Marion County Fire District #1 Fire Marshal Paula Smith with her Oregon Fire Marshal certificate.

January 31st data deadline

We need your data for the Office of State Fire Marshal's 2010 Annual Report. This report includes analysis of the state's fires, and accuracy depends on having complete reporting from all Oregon fire agencies. For your agency's incident data to be included in the analysis for this report:

- ➔ Ensure all 2010 fire incident data has been entered into your account in Oregon Fire & EMS Bridge™ by January 31, 2011.
- ➔ If you use other reporting software, you must import your reports into Oregon Fire & EMS Bridge™ (or e-mail us your .txt files to import for you) by January 31, 2011.
- ➔ Remember to report all juvenile fire incident data and data from walk-in youth and parents.

All incident reports must be 100% valid with no errors or warnings for them to be accepted into the National Fire Incident Reporting System database.

Questions? Please contact the Data Collection and Research Unit at 503-373-1540, extensions 234, 244, or 237.

ATF to regulate Ag fireworks

In May 2011, the Bureau of Alcohol, Tobacco, Firearms, and Explosives (ATF) will begin regulating agricultural fireworks known as "explosive pest control devices" (EPCD).

The ATF will require purchasers of EPCDs to obtain a federal license and clearance, and require that companies selling EPCDs ensure purchasers have an ATF license and clearance.

After the ATF completes the license and clearance process, they will inspect EPCD storage throughout the state.

The Office of State Fire Marshal's agricultural fireworks permit process remains the same, however, a copy of each permit will now be provided to the local fire agency to advise of storage. For more information, contact Anita Phillips at 503-934-8264, or anita.phillips@state.or.us.