



IGNITABLE COATING OPERATIONS:

Preventing Fires, Explosions and Toxic Exposures

DECEMBER 3, 2015

LOCATION

Regional Training Center for
Painters and Drywall Finishers
13521 NE Whitaker Way
Portland, OR
503-287-4856
www.paintertraining.org

ACCREDITATION

American Board of Industrial
Hygiene Certification Maintenance
can be obtained for this activity.
Visit www.abih.org for criteria.

REGISTRATION

Register Online at
osha.washington.edu
or by calling the Northwest
Center at 206-543-1069

Standard fee: \$195

Government: \$145

Student: \$97.50

After November 19, 2015:
\$50.00 late fee will apply

INFORMATION

206-543-1069 or 800-326-7568
ce@uw.edu
osha.washington.edu

Supported jointly by

Regional Training Center for Painters & Drywall Finishers
Northwest Center for Occupational Health & Safety
Pacific Northwest Pollution Prevention Resource Center
Oregon Homebuilders Association

Painters and other finishing professionals often use spray technology to apply coating materials such as paint, lacquers, and sealants that are likely ignitable and/or toxic. The consequences of poorly ventilated spray operations and uncontrolled ignition sources can be fires, explosions, serious injuries, and even death, as incidents in the Northwest over the past several years have shown. Join us for this one-day, hands-on training focused on controlling the primary hazards associated with the use of ignitable coatings.

Spray Painting Efficiency Certification: A featured aspect of this course is a virtual booth demonstration and workshop to give first-hand experience with work practices that maximize spray efficiency while minimizing overspray to reduce the concentrations of toxic substances and ignitables in the air. By completing this course, interested participants will have the opportunity to qualify for a certificate of spray painting efficiency.

COURSE HIGHLIGHTS

Following the standard hierarchy of controls, participants at this course will:

- Explore resources to identify less toxic and more sustainable coating materials
- Identify physical hazards from safety data sheets under the new Global Harmonization System
- Learn ways to minimize hazards from uncontrolled sources of ignition
- Discuss the principles and practices of adequate ventilation
- Practice efficient means of spray coating to reduce overspray
- Learn how to select the proper protective equipment for specific hazards of each work situation

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AGENDA DECEMBER 3, 2015

- 7:30–7:55 am **Registration**
- 7:55–8:00 **Welcome**
Nancy Simcox, Director
Department of Environmental and Occupational Health Sciences
Continuing Education Programs (UW DEOHS CE)
James Phelps, Apprentice Coordinator
Regional Training Center for Painters and Drywall Finishers (RTC)
- 8:00–8:30 **Oregon Case Studies**
Craig Hamelund, Safety Specialist and Educator, Oregon OSHA
- 8:30–9:00 **Ignitable, Flammable, Toxic: Definitions and Overview of Risks**
Jeffrey Pauley, Senior Industrial Hygienist, Oregon OSHA, Salem Field Office
- 9:00–9:45 **Substitution: The Process of Selecting Safer Coating Materials**
Ken Grimm, Industry Outreach Manager,
Pacific Northwest Pollution Prevention Resource Center (PPRC)
- 9:45–10:00 Break
- 10:00–12:00 **Preventing Pollution and Worker Exposure with Spray Technique Analysis
and Research Program (STAR)**
Ken Grimm
- 12:00–1:00 Lunch
- 1:00–2:00 (Attendees rotate between two sessions)
- Workshop 1: Spray Paint Booth Demos and Work Practices to Reduce Worker Exposures**
Marc Beaudreau and Allison Crollard, Industrial Hygiene Researchers
UW DEOHS Field Research & Consultation Group (FRCG)
- Workshop 2: Setup of a Safe Painting Station and Flammable Substance Application Checklist**
John Carlson, Vice-President & Safety Consultant, Integrity Safety Services, Inc.
Felix Saldivar, Corporate Safety Coordinator, FD Thomas, Inc.
and Trent Elwing, Industrial Hygienist, WA L&I
- 2:00–3:00 **Workshops 1 and 2 continued**
Same Instructors
- 3:00–3:15 Break
- 3:15–4:45 **Techniques to Improve Spray Paint Efficiency with a “Virtual” Experience**
Ken Grimm
- 4:45–5:00 **Wrap up and Evaluations**
Nancy Simcox



INTENDED AUDIENCE

Painting and coating contractors, supervisors, painting supervisors, maintenance supervisors, property owners, coatings specialists, autobody painters, safety professionals, industrial hygienists, safety committee members. This course is open to both union and non-union attendees.

PLANNING COMMITTEE

Marc Beaudreau, University of Washington (UW) Department of Environmental and Occupational Health Sciences (DEOHS) Field Research and Consultation Group (FRCG)

John Carlson, Integrity Safety Services, Inc.

Allison Crollard, UW DEOHS FRCG

Ken Grimm, Pacific Northwest Pollution Prevention Resource Center (PPRC)

Craig Hamelund, Oregon OSHA

James Phelps, Regional Training Center for Painters and Drywall Finishers (RTC)

Nancy Simcox, UW DEOHS Continuing Education Programs (UW DEOHS CE)

Jill Tepe, UW DEOHS CE

Sarah Wolz, UW DEOHS CE

COURSE DIRECTOR



James Phelps

Apprenticeship Coordinator

Regional Training Center for Painters and Drywall Finishers (RTC)

James Phelps, the apprenticeship coordinator at the Regional Training Center for Painters and Drywall Finishers (RTC) in Portland since May, 2015, came to Oregon via Alaska, South Dakota, and Hawaii. He was the construction and maintenance training administrator at Hawaiian Electric Co., where he oversaw a program of 250 apprentices training to be outside linemen. Prior to that, he taught school in Hawaii for nearly 10 years, going on to become a curriculum and program developer for the Leeward Oahu School District, all while co-owning a successful family remodeling and construction business. "My education path and my construction path came together," says Phelps. The RTC offers excellent opportunities to men and women of all ages to develop their knowledge and skills in the trades and secure a future for themselves and provide for their families. "Apprenticeship is something I believe in. Earn as you learn is a reality here at the RTC, where our apprentices need to know how to work hard and be open to learning new things all the time. The program requires effort and dedication, but the payoff is extremely rewarding."

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NOTES



CONTINUING EDUCATION PROGRAMS

NORTHWEST CENTER FOR OCCUPATIONAL HEALTH AND SAFETY

Department of Environmental and Occupational Health Sciences
University of Washington School of Public Health

To request disability accommodation, contact the Disability Services Office at least 10 days in advance at: 206-543-6450 (voice);
206-543-6452 (TDY); 206-685-7264 (FAX); or dso@u.washington.edu (e-mail)