

Revisiting the Disaster Site Worker Courses

Discussion of the 7600, 5600 and
update courses

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Skilled support personnel

OSHA's HAZWOPER standard

1910.120 (q)(4)

- Skilled in operation of equipment
- Needed *temporarily* to perform emergency work that cannot be performed by an employer's own employees
- Not required to meet training required of regular employees
- Briefing is sufficient

At Ground Zero, these
“temps” worked in smoke
and dust for months



**"9/11 has made us
stupid."**

**Thomas Friedman,
New York Times
Editorial 9-30-07**



Are the DSW courses too focused on terrorism?

DHS 15 planning scenarios

1. Nuclear detonation
2. Aerosol anthrax
3. Pandemic influenza
4. Plague
5. Blister agent
6. Toxic industrial chemicals
7. Nerve agent
8. Chlorine tank explosion
9. Major earthquake
10. Major hurricane
11. Radiological dispersal devices
12. Improvised explosive devices
13. Food contamination
14. Foreign animal disease
15. Cyber attacks

Hurricanes Keep Coming

Biloxi, MS, April 1, 2006



George Armstrong, FEMA

**FEMA declared 324 disasters
in the last 6 years**

Over half-million notified to evacuate the California fires

But wildfires didn't make the list!

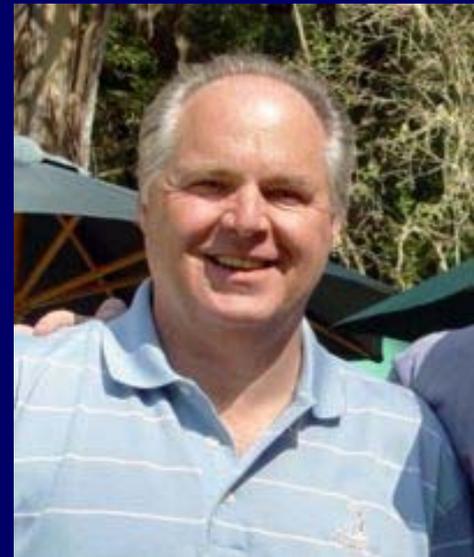


Don't bet the farm Rush Limbaugh is right about global warming. Storms could intensify.

Dropped out of Southeast Missouri State University after 2 semesters

His mom: "He flunked everything."

Source: wikipedia



New area for the DSW course? extended work schedules



As Dr. Stellman noted, 12 hour shifts impacted safety

- At WTC, 12 hour shifts until the end
- NRT is now working on guidance about fatigue on job
- 18 hours sustained wakefulness produces performance impairment = .05% BAC
- 24 hours = .10% BAC
(Dawson & Reid, 1997; Williamson & Feyer, 2000)



What is the DUI level in your state?

OSHA Disaster Site Worker Course

- **2-day course for workers (7600)**
- **4-day Train-the-Trainer for instructors (5600)**
- **OSHA approves providers who then issue cards**
- **Stresses respirator use and incident command system**

Required Topics for 7600 (16 hr)

Topics	Hours
Introduction/Overview	1.5
Incident Command System/Unified Command Systems	1.0
Safety Hazards	2.5
Health hazards	2.0
CBRNE Agents	1.0
Traumatic Incident Stress Awareness	1.0
Respiratory protection	3.5
Other PPE	1.25
Decontamination	1.5
Final Exercise	0.75

Review your handout for proposed 7600 changes

- Required
- Optional

Of primary importance is the participant's ability to:

- Inspect an air-purifying respirator**
- Don and doff an air-purifying respirator**
- Perform a respirator user seal check**

Respirators were not part of the safety culture. Many are ill as a result.



What may an instructor change when giving the 7600 course?

- order of the various lessons
- amounts of time spent on each lesson (but totaling 16 hours)
- visuals, examples, and case studies to accommodate the backgrounds of the particular class

Prerequisites for attending 5600 course

- **Be current OSHA Construction Outreach Trainer**
- **Have completed a 40-hour HAZWOPER training course**
 - **OR possess journey level credentials in construction trades**
 - **OR possess technical skills or credentials in construction work equal to journey level**

OSHA 5600 course

Sessions

- 5. Instructional Highlights of the DSW course (1 hour)**
- 6. CBRNE (1 hour)**
- 7. Application of Adult Learning Theory and Instructional Design (2 hours)**
- 8. Debrief CBRNE Workshop (1 hour)**
- 9. Group Prep for Practical Exercises (2 hr.)**

OSHA 5600 course

Sessions

- 1. Introduction and Overview (¾ hour)**
- 2. Elements of Successful Adult Training Programs (¾ hour)**
- 3. Orientation to NIMS and ICS and OSHA's Role in Incidents of National Significance (1-1/2 hours)**
- 4. Air-Purifying Respirators Workshop (2-1/2 hours)**

OSHA 5600 course

Sessions

- 10. Set-up for Practical Exercises (1 and 2) (½ hr.**
- 11. Practical Exercise, Group 1: Safety Hazards (2 hrs)**
- 12. Debrief Practical Exercise, Group 1 (½ hrs)**
- 13. Practical Exercise, Group 2: Health Hazards & Traumatic Incident Stress Awareness (2-1/2 hours)**
- 14. Debrief Practical Exercise, Group # 2 (½ hour)**
- 15. Set-up for Practical Exercises (#3 and #4)**

OSHA 5600 course

Sessions

- 16. Practical Exercise, Group #3: Respiratory Protection (3 hours)**
- 17. Debrief Practical Exercise, Group #3 (½ hour)**
- 18. Practical Exercise Group #4: Other Personal Protective Equipment & Decontamination (2-1/4 hours)**
- 19. Debrief Practical Exercise, Group (½ hour)**
- 20. Course Summary and Close Out (½ hour)**

OSHA 5600 course

Course <u>#5600</u> Objective	Methods	Sessions in Course <u>#5600</u>
Identify the audience, goal and objectives, and theme of Course <u>#7600</u>	<ul style="list-style-type: none"> Lecture and class discussion 	1, 5
Discuss ICS, NIMS, and OSHA's role	<ul style="list-style-type: none"> Lecture and class discussion 	3
Acquire knowledge, skills, and attitudes for hazards at disaster sites	<ul style="list-style-type: none"> Presentations on, and preparation for, specific Course <u>#7600</u> topics 	6, 9, 11, 13, 16, 18
Apply elements of successful adult learning programs	<ul style="list-style-type: none"> Review and application of adult learning theory Design and delivery of group presentations on topics from Course <u>#7600</u> Debrief/critique of presentations using Group and Individual Peer Evaluation Worksheets 	2, 7, 20 11, 13, 16, 18 8, 12, 14, 17 19
Demonstrate correct respirator usage	<ul style="list-style-type: none"> Lecture and hands-on workshop Group presentation of Respiratory Protection Lesson from Course <u>#7600</u> Debrief/critique using Individual Peer Evaluation Worksheets 	4 15, 16 17

Review the proposed OSHA 5600 T-t-T Update

Required Topics	Optional Topics (3 hours total) Choose 2
Introduction/overview	Pandemic/AI response
National Response Framework	Radiation Dispersal Device
Work Zone Safety	Earthquake response
Respirator update: CBRNE and pandemic flu	Wildfire response
Improving communications	
Final Exercise and closing	
Total required: 5 hours	Total required: 3 hours

"Program Card" for Workers requires 3 courses

- OSHA Construction Outreach Training (10-hour) or OSHA-30
- OSHA now allows OSHA General Industry 10-hour
- Disaster Site worker (16-hour)
- HAZWOPER (40-hour minimum)

“Course Card” for Workers requires 2 courses

- OSHA Construction Outreach Training (10-hour) or OSHA-30
- Or General Industry Outreach 10-hour
- Disaster Site worker (16-hour)

What must an instructor accomplish?

- all of the lesson objectives listed with each lesson in the 7600 manual
- the "Respiratory Protection Performance Test" for each student individually in the #7600 course

What is the Personal Theme Worksheet?

Students record, at the end of each lesson, actions that they will take to protect themselves and others

OSHA Ed Centers

- Keene State College
- Rochester Institute of Technology
- Atlantic OSHA Training Center (Univ. of Medicine & Dentistry of NJ, NY Dist. Council of Carpenters, State University of New York at Buffalo, Universidad Metropolitana, San Juan, P.R.)
- National Resource Center for OSHA Training (George Meany Center for Labor Studies, Building and Construction Trades Dept., West Virginia University, Center to Protect Workers' Rights)
- Keystone Occupational Safety and Health Center (Indiana University of Pennsylvania)
- Georgia Tech Research Institute
- University of South Florida
- Eastern Kentucky University
- Great Lakes OSHA Training Consortium (Univ. of Cincinnati, Eastern Michigan University, United Auto Workers, University of Minnesota)

OSHA Ed Centers (2)

- **The National Safety Education Center (Northern Illinois University, Construction Safety Council, and the National Safety Council)**
- **Mid-America OSHA Training Institute (Ohio Valley Construction Education Foundation, Sinclair Community College)**
- **Texas Engineering Extension Service, Texas A & M University Metropolitan Community Colleges - Business & Technology Center**
- **Midwest OSHA Education Centers (St. Louis University, Kirkwood Community College, Safety and Health Council of Greater Omaha)**
- **Red Rocks Community College**
- **Mountain West OSHA Training & Outreach Center (University of Utah, Salt Lake City Community College System)**
- **University of California - San Diego WESTEC, Westside Energy Services**

University of Washington



When does my trainer status expire?

- You are authorized as an outreach trainer for four years from the date that you completed the trainer course.
- To renew, you must complete **refresher training** or retake the 5600.
- If your card expires, you will have to retake Course 5600 to become reauthorized as a trainer.



**Thank you. Time for
charges to the breakout**