

NIEHS WETP National Trainers Exchange

March 28-29 2012

Introduction to NIEHS Disaster Response Training Tools

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Objectives for this session

1. Introduce NIEHS Training Tools
2. Review “how to use them”
3. Create a factsheet from a training tool
4. **Learn from each other**

List some issues with disaster response training



Research and development time can be a serious issue



Based on 15 DHS Disaster Scenarios

- Nuclear Detonation (IND)
- Aerosol Anthrax
- Pandemic Flue (AI)
- Plague
- Blister Agent
- Toxic Industrial Chemicals (TIC)
- Nerve Agent
- Chlorine Tank
- Earthquake
- Hurricane
- Radiological Attack (RDD)
- Bombing (IED)
- Food Contamination
- Foreign Animal Disease
- Cyber Attack

What we have available

- Hurricanes
- Avian Influenza
- Dirty Bomb
- Wildfires
- Chemical incidents
- Floods
- Oil spills
- Earthquakes
- Japan earthquake, tsunami, radiological incident
- Debris clean up

What's currently available?



NIEHS Hurricane Response Initiative

Safety Awareness for Responders to Hurricanes: Protect yourself while helping others



WORKER EDUCATION & TRAINING PROGRAM

Version 11 - 10/27/05

Protecting Yourself from Avian Influenza



August 2007

WORKER EDUCATION & TRAINING PROGRAM



U.S. Department of Health and Human Services
National Institutes of Health
National Institute of Environmental Health Sciences



Protecting Yourself During a Dirty Bomb Response

An Awareness Level Training Tool for Skilled Support Personnel





Protecting Yourself While Responding to Wildfires

Safety and Health Awareness for Responders to Wildfires





Protecting Yourself While Responding to Earthquakes

Safety and Health Awareness for Responders to Earthquakes



1906 San Francisco Earthquake



National Institute of Environmental Health Sciences
Flood Response Orientation

Safety Awareness for Responders to Floods:

Protecting Yourself While Helping Others





Oil Spill Cleanup Initiative

Safety and Health Awareness for Oil Spill Cleanup Workers





Protecting Yourself While Responding to Chemical Incidents

Safety and Health Awareness for Responders to Chemical Incidents



Graniteville train derailment, EPA





U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
National Institutes of Health

Protecting Yourself While Removing Post-Disaster Debris from Your Home or Business



NIEHS Awareness for Post-Disaster Property Debris Cleanup

WORKER EDUCATION & TRAINING PROGRAM

Types of NIEHS tools

- **PowerPoint presentations**
 - PowerPoint presentations with in depth instructor notes
 - English, Spanish, Other
- **Factsheets**
- **Pocket Guides**
 - English, Spanish, Other
- **Pod casts (AI)**

Development of Tools

- **Design**
 - Used Federal agency standards and guidance documents
 - Standards of care and professional practice
 - Incorporated currently available materials
 - Attempted to encompass as much material as possible-let trainers use as necessary
- **Review-issued for comment**
- **Re-tooled and available for use (living documents-updated when used in field)**

What are these tools for?

- **Awareness-level health and safety resources for “skilled support personnel” and...**
- **Common hazards for specific disasters during the response and clean up**
- **Trainers may use these tools to aid in the development of awareness level courses or other awareness level materials (fact-sheets, table-top activities, etc)**

Two main uses of tools

- **Pre-disaster training**
 - Create a stand alone course
 - Incorporate into larger class
 - Materials for 7600
- **When disaster hits**
 - Pre-deployment training
 - Field training



Where you can find them

<http://tools.niehs.nih.gov/wetp/>



Careers and Training

- HazMat Safety & Training
- About Worker Education and Training Program
- Areas of Training
- Clearinghouse**
- Curricula Catalog
- Emergency Preparedness Resources
- Hazardous Waste Worker Training Issues - Areas of Training
- Meetings and Workshops
- Multimedia
- Other Links and Resources
- Workforce Development
- Funding Opportunities for Worker Training
- Meetings and Workshops
- Other Links and Resources
- What's New

National Clearinghouse for Worker Safety and Health Training

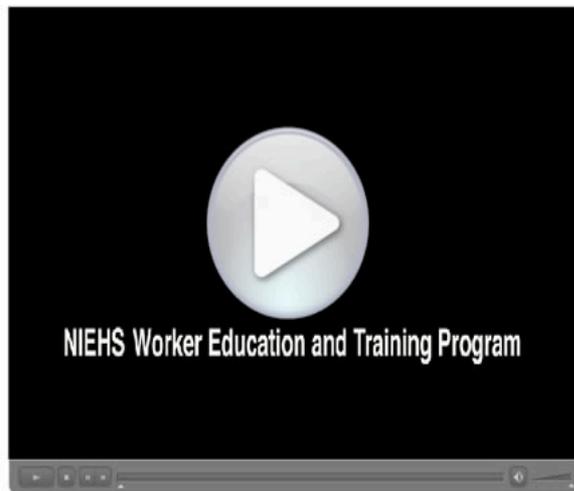
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National Clearinghouse QuickFinder

- | | | |
|--|---|---------------------------------------|
| Curricula Catalog | Nanotechnology | About WETP |
| Earthquake Preparedness | Chemical Incidence Response | List of WETP Grantees |
| Hurricane and Flood Preparedness | Wildfire Preparedness | |

The National Clearinghouse for Worker Safety and Health Training is the national resource for [hazardous waste worker curricula](#), technical waste operations and emergency response. Funded by the National Institute of Environmental Health Sciences' Worker Education and Training Program ([NIEHS WETP](#)), the Clearinghouse provides assistance for NIEHS WETP staff, program grantees, and the general public.

The National Clearinghouse's services include disseminating technical information related to safety and health training development, organizing and documenting [NIEHS WETP meetings and workshops](#), and analyzing research products to enhance and support on-going and new initiatives. For more information, please view our [Clearinghouse Fact Sheet](#) (1.3MB).



For more videos, go to the menu bar on the left and click on Multimedia.

National Clearinghouse Highlights

- Improving Safety and Health Training for Disaster Cleanup Workers: Lessons Learned from the 2010 Deepwater Horizon Oil Spill

Search Clearinghouse

Search

Clearinghouse Information

- [Current Newsbrief](#)
- [Past Newsbriefs](#)
- [Sign up for Newsbriefs](#)
- [Contact Clearinghouse](#)
- [Meetings and Workshops](#)

RADIATION
Learn More About Radiation and Health
<http://emergency.cdc.gov>

Oil Spills & Health
NATIONAL LIBRARY OF MEDICINE
Get this Widget

Key Documents

- [Clearinghouse Fact Sheet](#) (1.3 MB)
- [Minimum Criteria Document](#)



National Institute of Environmental Health Sciences – National Institutes of Health

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HOME HEALTH & EDUCATION RESEARCH FUNDING OPPORTUNITIES CAREERS & TRAINING NEWS & EVENTS ABOUT NIEHS

Careers and Training

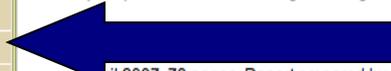
- HazMat Safety & Training
- Clearinghouse
- Curricula Catalog
- Emergency Preparedness Resources**
- Earthquakes
- H1N1 (Swine), Pandemic and Avian Influenza
- Hurricanes and Floods
- Oil Spills
- RDD/Dirty Bombs
- Wildfires
- Hazardous Waste Worker Training Issues - Areas of Training
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- Multimedia
- Other Links and Resources
- Workforce Development

General Preparedness

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The National Institute of Environmental Health Sciences (NIEHS) Worker Education and Training Program (WETP) has compiled a number of resources related to emergency preparedness and response. This webpage provides documents and resources that address emergency preparedness in general. Documents found on this page primarily address issues in government preparedness and public preparedness. Use the menu on the left-hand side to locate documents and links which contain resources for worker safety and training topics on different emergency preparedness and response situations.

- [Guidance for Managing Worker Fatigue During Disaster Operations](#) (2009) This Technical Assistance Document (TAD) is created by the National Response Team (NRT) to address worker fatigue during large-scale disaster operations.
- [Working Conditions That Would Improve OSHA's Efforts to Protect Workers' Safety and Health in Disasters](#) (5.7 MB)
 April 2007. 78 pages. Report prepared by Government Accountability Office. recommendations to the Secretaries of Labor, Homeland Security, and Health and Human Services designed to improve OSHA's efforts during future disasters.
- [National Incident Management System](#) (2.0 MB)
 The President issued Homeland Security Presidential Directive (HSPD) 5, Management of Domestic Incidents, which directs the Secretary of Homeland Security to develop and administer a National Incident Management System (NIMS). This document presents the NIMS.
- [A Brief Guide for Academic Health Center Disaster Preparedness and Response](#) (230 KB)
 Academic health center leaders highlight self-reliance, anticipating needs, action plans and the need for reduced federal bureaucracy in "A Brief Guide for Academic Health Center Disaster Preparedness and Response" for academic health centers and other interested institutions and policymakers, released by the Association of Academic Health Centers (AAHC).
- [DHS-Fire and Emergency Services Preparedness Guide for the Homeland Security Advisory System](#) (183 KB)
 This document from the U.S. Department of Homeland Security (DHS) provides a comprehensive guide for all fire and emergency services. Prepared by the Emergency Management and Response-Information Sharing and Analysis Center to promote critical infrastructure protection, the Fire and Emergency Services Preparedness Guide for the Homeland Security Advisory System offers suggestions for activities that may be appropriate for the five Homeland Security Advisory System Levels.
- [Emergency Incident Rehabilitation Manual](#) (5.6 MB)
 The U.S. Fire Administration collaborated with the International Association of Fire Fighters (IAFF) on the newly released updated and revised Emergency Incident Rehabilitation Manual. The new edition examines critical topics related to emergency incident rehabilitation, including operational issues, human physiology, weather and technology, and addresses ways to better protect fire fighters and other emergency responders through the use of proper protective clothing and improved tactical procedures. The revised manual updates the original USFA document published in 1992.
- [GAO Catastrophic Disasters Report](#) (2.7 MB)
 This report produced by the Government Accountability Office (GAO) summarizes what went well and why, what did not go well and why, during the Hurricane Katrina response and recovery efforts. The report also identifies what changes are needed to improve the nation's readiness to respond to a catastrophic disaster; and to identify



Lets make a Factsheet

- **House hold chemical segregation**
- **Removal of “white material”**
- **Cleaning out a “flooded” structure which has been certified structurally safe**
- **Picking up segregated construction debris**
- **Other...you choose a task**

Comments or questions?