# NIEHS Worker Training Program: Responding to Disasters & Available Resources

National Response Team's 2024 Worker Safety & Health Technical Conference

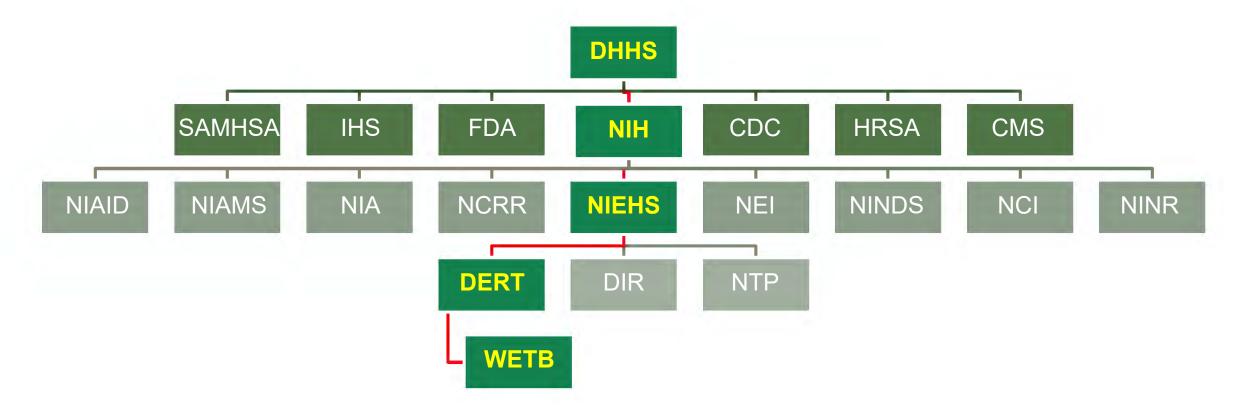
March 14, 2024

1 p.m. – 2 p.m.

Jim Remington, RN NIEHS Worker Training and Education Program



#### Where We Are in the Federal Food Chain:



## **NIEHS Worker Training Program (WTP): Mission & Network**

Mission: Prevent work-related harm by providing training programs for hazardous materials handlers, chemical emergency responders, and waste cleanup workers.



Funds 17 grant recipients/consortia through cooperative agreements representing over 100 nonprofit safety and health training organizations.

Provides training in **all 50 states**, Washington D.C., and U.S. territories.

### WTP History: Superfund Amendments & Reauthorization Act



Established under Superfund Amendments and Reauthorization Act (SARA) of 1986, Section 126(g)

SARA initiated the **Hazardous Substance Basic Research** and **Training Program** 

#### Hazardous Substance Basic Research and Training Program

#### **Superfund Research Program (SRP)**

Fosters multidisciplinary research, fundamental creative discoveries, and innovative research strategies focused on solving problems related to Superfund sites.

#### **Worker Training Program (WTP)**

Trains and educates workers who are or may be engaged in activities related to hazardous waste removal or containment, or emergency response.

## Superfund Amendments & Reauthorization Act (SARA)

- WTP established under Superfund Amendments and Reauthorization Act (SARA) of 1986, Section 126(g).
- SARA authorized a program for training and education of workers who are or may be engaged in activities related to hazardous waste removal, containment, or emergency response.
- Congress assigned responsibility for administering the grant program to NIEHS.
- "Labor unions were of paramount importance in securing the training provisions of SARA because of their growing knowledge of and concern about the hazards to workers' lives and health from the toxics economy." (Slatin C and Dunn ML, 2006, New Solut)



## WTP: Preparing Workers for Hazardous Materials & Emergency Response



#### Increase worker safety and health

Trained nearly 5 million workers since 1987, helping businesses and municipalities keep worksites and communities safer.



#### Prepare workers for disasters and emergency response

Trained thousands of workers for recovery in response to natural and manmade disasters, such as the World Trade Center attacks, western wildfires, Hurricanes Sandy and Harvey, Deepwater Horizon oil spill, and Ebola and COVID-19.



## Provide workforce development and job placement for individuals experiencing underemployment

Reached approximately 14,500 individuals in 30 communities and sustained an average job placement rate of 70%.

## WTP Program Metrics To Date (1986-present)



280,000+ courses



5 million+ workers trained



50 million+ contact hours





## WTP Funding Mechanisms & Program Areas

## **U45**Cooperative Agreements



Hazardous Waste Worker Training Program
\*required component\*



HAZMAT Disaster Preparedness Training Program



Environmental
Career Worker
Training Program

**UH4**Cooperative Agreements



NIEHS/U.S. DOE Nuclear Worker Training Program

R43/44
SBIR Grants



Small Business
Innovation Research
(SBIR)
E-Learning for
HAZMAT

Note: A cooperative agreement is distinctly different from a grant, in that it provides for "substantial involvement" between the Federal agency or pass-through entity and the grant award recipient.

WTP Priorities: Relevant Across All Program Areas

 Push an all-hazards approach to training to cover existing and emerging threats.

 Expand focus on infectious disease, opioids, climate change, equity, and justice.

Promote Justice40 Initiative and ECWTP.

 Continue training and focus on under-resourced and Tribal communities.

- Encourage grant recipients to use adaptable and innovative methods to respond to future training needs.
- Continue focus on evaluation across all programs.
- Expand partnerships at the federal, state, and local levels.



## WTP Engages with Other Federal Agencies & Working Groups

- U.S. Department of Energy (DOE), Office of Environmental Management
- U.S. Department of Health and Human Services, Administration for Strategic Preparedness and Response (ASPR)
- U.S. Department of Labor, Occupational Safety and Health Administration (OSHA)
- Centers for Disease Control and Prevention (CDC)
- National Institute of Occupational Safety and Health (NIOSH)
- Substance Abuse and Mental Health Services (SAMHSA)
- NIH Office of Behavioral and Social Sciences Research (OBSSR)
- Interagency Working Group on Environmental Justice
- Federal Interagency Working Group on Brownfields













## Disaster Preparedness and Response: Ensuring Safety of Workers & Communities

## NIEHS/Department of Energy (DOE) Nuclear Worker Training Program

Supporting DOE sites with occupational health and safety training of workers on the:

- Handling of hazardous materials and waste
- Participation in emergency response
- Safety during research and testing

Authorized by National Defense Authorization Act: Section 3131 (FY 1992) and implemented through an Interagency Agreement with DOE Office of Environmental Management (EM)







## Climate Change, Health Emergencies, and Environmental Justice

- Many hazards are created during and after climaterelated events, man-made disasters, and public health emergencies
- WTP is a participant in the National Response Framework, National Disaster Recovery Framework, and the National Contingency Plan
- WTP coordinates a large network of grant recipients who deliver health and safety training on hazards related to tornadoes, hurricanes, flooding, wildfires, and infectious disease
- Targeting workers, businesses, and communities at highest risk







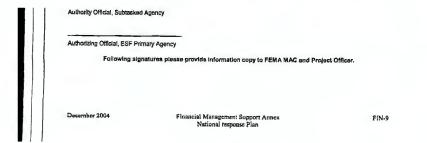


### **Hurricane Katrina 2005 (NRF)**

	OCT-05-2005 19:26 TECH SUPPORT			
	1231 531 (311)		202 693 1644	P.02/02
	ESF MISSION ASSIGNMENT SUBT	ASKING REQUEST		
EMA	-Assigned MA Number: 1604DR-MS-OSHA-01 ESI	Primary Agency:	OSHA	
Subta	sked Agency: NIEHS State:	Disaster No. 200: Hum	5082401- ricane Katrinsa	
	Taking Statement/Statement of Work			
	NIEHS is tasked with developing course materials to train trains and deliver training to target populations of federally supported			

#### Taking Statement/Statement of Work

NIEHS is tasked with developing course materials to train trainers, identify training locations, deploy trainers, and deliver training to target populations of federally supported responders in the Katrina response zone. In conducting this tasking, DOL/OSHA will provide NIEHS with contact information at the Joint Field Offices to coordinate these training activities with the other Federal Agencies. NIEHS will award administrative supplements to its current Worker Training Awardees to provide response orientation training to federal employees and federally-sponsored contractors engaged in hurricane recovery and remediation activities. In conjunction with OSHA, NIEHS WETP will develop a process to share and distribute relevant training and education materials through its web site and training distribution network within the Katrina response zone.



## **Katrina Field Training**



National Institutes of Health U.S. Department of Health and Human Services

## **Superstorm Sandy Training Response 2012 (NDRF)**



WORKER EDUCATION AND TRAINING PROGRAM

NIEHS Hurricane Sandy Response Report

September 2013





In 2012, Superstorm Sandy caused extensive damage throughout the East Coast as it released torrential rains, ferocious winds, and widespread flooding.

In response to Superstorm Sandy, NIEHS activated its local trainers to educate cleanup workers and community members about the health hazards found following hurricanes and floods.

After the site hazard assessment identified mold as one of the greatest hazards, the WTP and the National Clearinghouse created the NIEHS Mold Remediation Guidance and the Mold Clean Up and Treatment Orientation PowerPoint training and booklet.

Approximately 155,000 people were trained under the program and more than 35,900 English booklets, 15,700 Spanish booklets, and 290 Vietnamese booklets were distributed to recovery workers, homeowners, and volunteers.

### **National Contingency Plan**

## Federal Agency Pollution Removal Funding Authorization

Recipient Agency: U.S. Department of Health & Human Services

Address: National Institute of Environmental Health Sciences

79 Alexander Dr.

Research Triangle Park, NC 27709

#### 1. Purpose

This document authorizes reimbursement to the Recipient Agency from the Oil Spill Liability Trust Fund or CERCLA funds for certain removal costs incurred in response to the following pollution incident, <a href="Deepwater Horizon MC252">Deepwater Horizon MC252</a>, Federal Project Number/CERCLA Project Number, <a href="N10036">N10036</a>. This funding authorization is expressly contingent on the Recipient's compliance with all requirements contained herein.

#### 2. Approved Functions and Reimbursement Limit

Costs will be reimbursed only for actions that are directed or approved in advance by the FOSC. Approval may be verbal or written. Assessment, restoration, rehabilitation or replacement of natural resources damaged by the spill are not covered.

## NIEHS TRAINING Response in partnership with BP, OSHA and NIOSH

- BP, TEEX, OSHA and NIEHS developed oil spill response training tool on April 27, 2010 as the spill expands in the Gulf of Mexico.
- NIEHS begins work with BP, OSHA and NIOSH as part of the worker safety assessments on May 1<sup>st</sup> within the Louisiana Incident Command's Area of Operations.
- Louisiana and Mississippi Incident Command Center' teams deploy HSE staff, subject manner experts and designated instructor training teams (Petroleum Extension Council, NIEHS and TEEX) to deliver worker protection outreach training.



BP, USCG, OSHA, NIEHS, and NIOSH meet to assess worker protection issues in the Louisiana Incident Command Center in Houma, LA on Tuesday, May 3, 2010.





## **NIEHS WTP 2017-18 Hurricane Response Activities**

- Harvey, Maria, Florence and Irma: HHS Mission
   Assignment to do a training needs assessment:
  - Staff, contractors, and trainers on the ground
  - Implementing Train-the-Trainer and worker/volunteer safety trainings
  - Distributing personal protective equipment (PPE)
  - Coordinating with Federal Joint Field Office,
     State Public Health, Local Public Health, Non-Profits, and Foundations
  - Making connections at federal, state, and local levels
  - Planning for a Disaster Train-the-Trainer courses
  - Coordinating with Public Health Researchers



## WTP: Special Appropriations and Funding for Disasters and Emergencies

- Hurricane Katrina (2005)
- Deepwater Horizon Oil Spill (2010)
- Superstorm Sandy (2012)
- Ebola Virus Disease (2014)
- Disaster Relief Act, 2019
- COVID-19 (2020)
- Consolidated Appropriations Act (2023)



### WTP Grant Recipients Respond to Disasters & Emergencies Across the Country

- WTP State Profiles: Short (2-page) fact sheets that highlight grant recipient training accomplishments in various states.
- Learn more about grant recipients' disaster preparedness and response efforts across the country related to:



Wildfires



**Chemical incidents** (oil spills, train derailments, public infrastructure)



**Hurricanes** 



Biological/infectious agents



**Tornadoes** 



Fentanyl, opioids, methamphetamine lab response



Flooding





## **Highlights: WTP Grant Recipients Respond to Disasters**



In response to Hurricane Harvey, grant recipients:

- Delivered a bilingual Disaster Train-the-Trainer course for day laborers, faith groups, volunteer groups, and local residents.
- Conducted mold awareness training for two environmental justice communities.
- (Grant recipients: International Chemical Workers Union Council Center, United Steelworkers, and South Center for Environmental Justice)



Photo of damages left in neighborhood after Hurricane Harvey in Texas.



To reduce impacts of flooding in Chicago, grant recipients:

 Proactively recruit and train potential employees to install green infrastructure projects (High Bridge).

(Grant recipient: OAI, Inc.)

## Fe Y Justicia Bilingual Train-the-Trainer in Houston: *Training and PPE Ensemble*





### Program Spotlight: Partnership with Tribal Colleges and Universities (TCUs)

- TCUs:
  - Located in some of the nation's most impoverished areas
  - Provide essential technical education
  - Foster American Indian culture, language, and tradition
- WTP grant recipient Partnership for Environmental Technology and Education (PETE) partners with TCUs to provide disaster response training
- PETE provided trainings at:
  - Saginaw Chippewa College (Mount Pleasant, MI)
    - OSHA 15 Disaster Site Worker
  - Nueta Hidatsa Sahnish College (Newton, ND)
    - OSHA 15 Disaster Site Worker
  - Prince William Sound College (Valdez, AK)
    - Oil spill and response courses



A Prince William Sound College student takes part in oil spill-response training on a fishing vesselonal Institutes of Health U.S. Department of Health and Human Services

### **Highlights: WTP Grant Recipients Respond to Disasters**



Following California's worst wildfire year in recorded history (2020), grant recipients:

• Trained over 500 workers in fire prevention, disaster preparedness and response, and emergency regulations to protect workers from wildfire smoke.

(Grant recipient: Western Region Universities Consortium)



Before the catastrophic, mile-wide tornado in Kentucky, grant recipients:

- Partnered with Kentucky state agencies.
- Provided courses on hazardous material response and confined space awareness.

(Grant recipient: OAI, Inc.)



Photo of damages left after wildfire.

### Partnerships are Key for Disaster Preparedness & Response

- Partnerships are a crucial for success in disaster preparedness and response.
- Grant recipients partner with:
  - Federal, state, and local agencies
  - Worker centers
  - Tribes and Indigenous groups
  - Community and faith-based organizations
  - Unions
  - Volunteer groups and organizations



Deep South Center for Environmental Justice (grant recipient) partnered with community-based organizations to provide "muck and gut" trainings following Hurricane Ida.

## Highlights: WTP Grant Recipients Respond to Disasters



In response to the COVID-19 pandemic, grant recipients:

- Provided culturally-appropriate health and safety training in multiple languages to help reduce the spread of the virus.
- Made referrals for basic needs, such as housing and food distribution.

(Grant recipients: New England Consortium, Sustainable Workplace Alliance, Atlantic Center, United Steelworkers, and International Chemical Workers Union)



To prepare for rail incidents (like the derailment in East Palestine), grant recipients:

 Develop safety courses focused on preventing and responding to uncontrolled releases of harmful chemicals for rail workers and community members.

(Grant recipient: International Brotherhood of Teamsters)





## Available Tools & Resources: Ensuring Safety of Workers & Communities

## National Clearinghouse for Worker Safety and Health <a href="https://tools.niehs.nih.gov/wetp/">https://tools.niehs.nih.gov/wetp/</a>





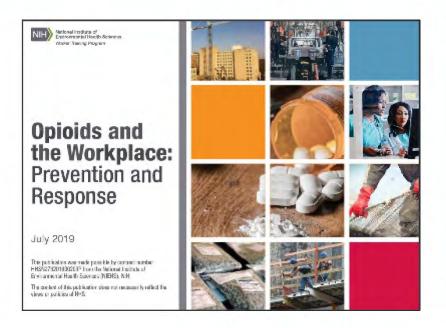
## FREE Booklets: https://tools.niehs.nih.gov/wetp/booklets/index.cfm



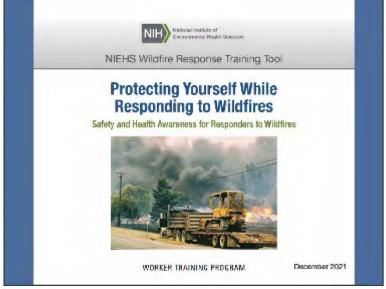
- Avian Influenza booklet (English)
- Protecting Yourself from Avian Influenza
- Avian Influenza booklet (Spanish)
- Flood Response Orientation booklet (English)
- Safety Awareness for Responders to Floods
- Flood Response Orientation booklet (Spanish)
- Safety Awareness for Responders to Floods: Protecting Yourself While Helping Others
- Hurricane Safety and Health booklet (English)
- Safety Awareness for Responders to Hurricanes
- Hurricane Safety and Health booklet (Spanish)
- Safety Awareness for Responders to Hurricanes
- Hurricane Safety and Health booklet (Vietnamese)
- Safety Awareness for Responders to Hurricanes
- Mold Clean-up and Treatment booklet (English)
- Health and Safety Essentials for Workers, Volunteers, and Homeowners
- Mold Clean-up and Treatment booklet (Spanish)
- Health and Safety Essentials for Workers, Volunteers, and Homeowners
- Oil Spill Safety and Health booklet (Spanish)
- Safety Awareness for Oil Spill Cleanup Workers
- Wildfire booklet (English)
- Health and Safety Essentials for Workers, Volunteers, and Homeowners

## Training Tools, Resources for Disasters & Emergencies

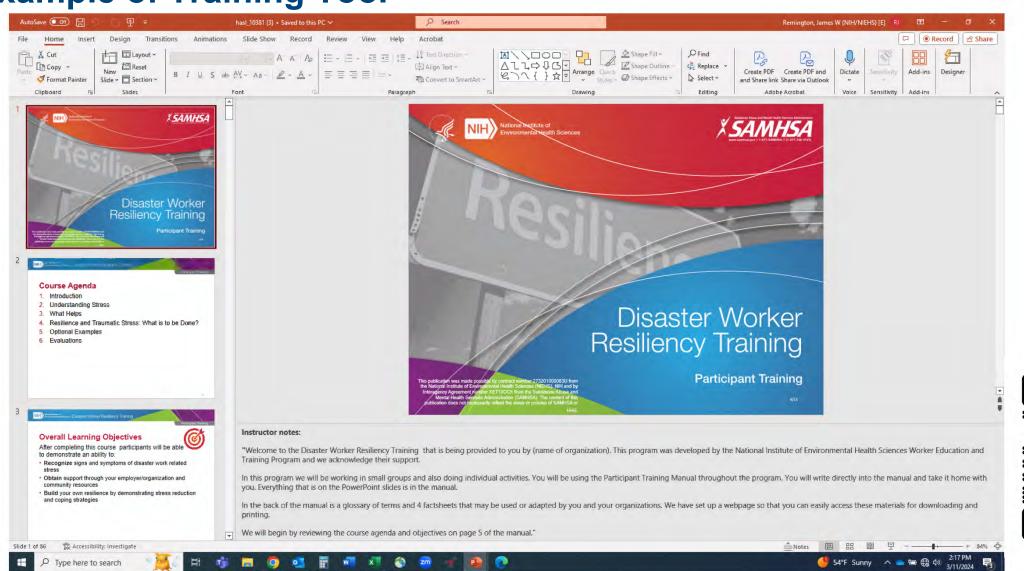
Curricula, PowerPoint slides, and booklets for grant recipients and trainers to use to deliver health and safety training to target audiences







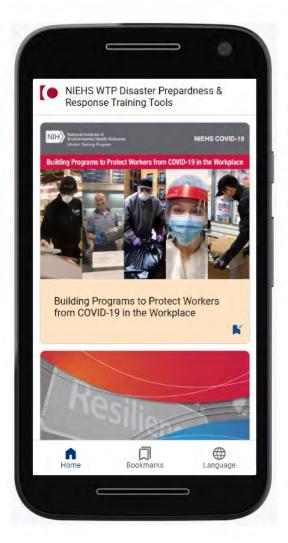
### **Example of Training Tool**

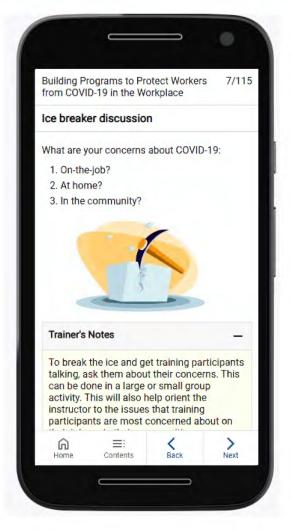


National Institutes of Health

### **Mobile App: Easy Access to Training Tools**

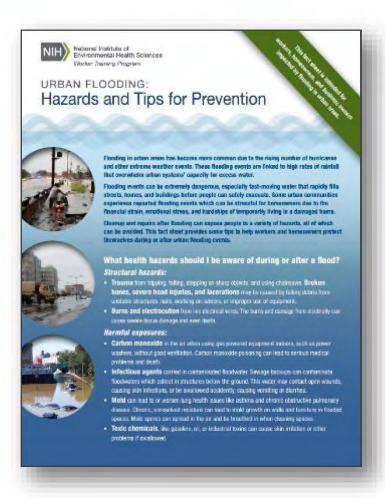
- To facilitate easy access to all training tools, especially in areas with limited internet service, WTP transferred training tools to an online mobile app.
- The app, launched in June 2023, enables access to saved training tools offline.
- Speaker/trainer notes provide additional information and links.
- Available for iOS and Android phones.

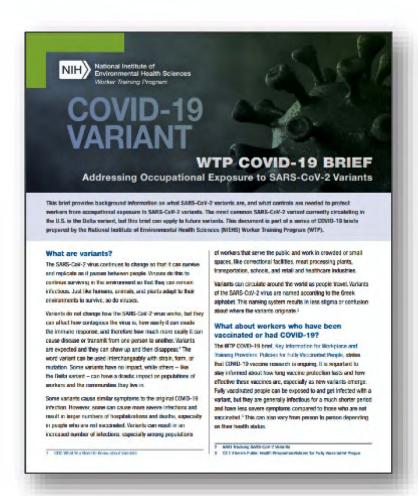


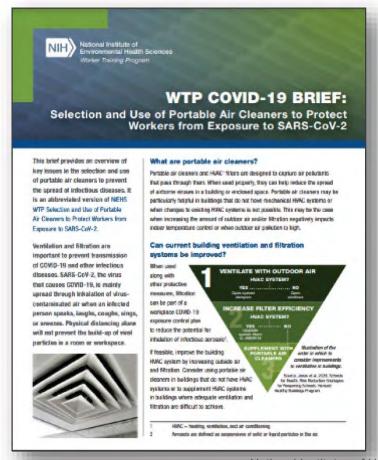


#### **Fact Sheets & Technical Briefs for Workers**

Fact sheets to share important health and safety topics with workers and communities.







#### Promotional Video Showcases WTP Tools & Resources





A YouTube video promotes WTP disaster-specific tools and resources that are available. The video promotes resources on hurricanes, floods, mold, wildfires, and more.

## Questions?

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