

NIEHS Worker Training Program Grantee Meeting

Rodbell Auditorium

October 16, 2017





Joseph T. Hughes Jr.

Director

Worker Training Program

Division of Extramural Research & Training

National Institute of Environmental Health Sciences



National Institute of
Environmental Health Sciences
Worker Training Program

Sharon Beard

Industrial Hygienist

Worker Education and Training Branch

Division of Extramural Research & Training

National Institute of Environmental Health Sciences



Topics to be discussed

1. WTP General Administrative Supplements and additional funding for NTX

2. Upcoming Conferences and Activities

3. Update on Environmental Career Training Program Training Numbers



WTP General Administrative Supplements and Additional Funding for NTX

Grant Number	PI Last Name	Organization	Description	Program and Sites
UH4ES009764	Cain	CPWR	National Trainers Exchange and Safety Culture- Foundations for Safety Leadership (FSL) training program Train the Trainer	DOE – Multiple Sites
UH4ES019338	Feil	PETE	National Trainers Exchange	DOE
UH4ES009758	Cyphers	ICWUC	National Trainers Exchange	DOE
UH4ES014103	Byrd	IBT	National Trainers Exchange	DOE
UH4ES009759	Harman	IAFF	National Trainers Exchange and Safety Culture – Frontline Safety	DOE - Savannah River National Laboratory, Oak Ridge National Laboratory, Los Alamos National Laboratory and/or Waste Isolation Pilot Plant.
UH4ES009763	McCabe	IUOE	National Trainers Exchange and Safety Culture –Native American Training and Outreach and Pilot Frontline Safety Training	DOE Paducah site in Kentucky; Nez Perce reservations near the Hanford and Idaho Falls DOE sites ; Spokane tribe at the Midnite Superfund cleanup on their reservation
UH4ES009761	Frederick	USW	National Trainers Exchange	DOE

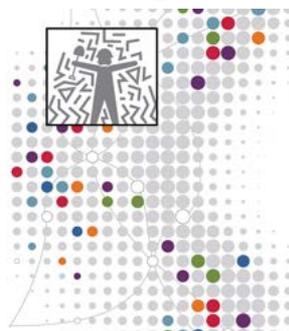
Upcoming Meetings

- American Public Health Association (APHA) Atlanta, GA
- Brownfields 2017-Pittsburgh, PA
- NIEHS National Trainers Exchange



APHA 2017
ANNUAL MEETING & EXPO
ATLANTA | NOV 4-8

APHA 2017
Creating the Healthiest Nation: Climate Changes Health



Hosted by the Western Region Universities Consortium (WRUC) in conjunction with **NIH** National Institute of Environmental Health Sciences Worker Training Program

2018 National Trainers' Exchange
May 10 – 11, 2018* » Phoenix, Arizona

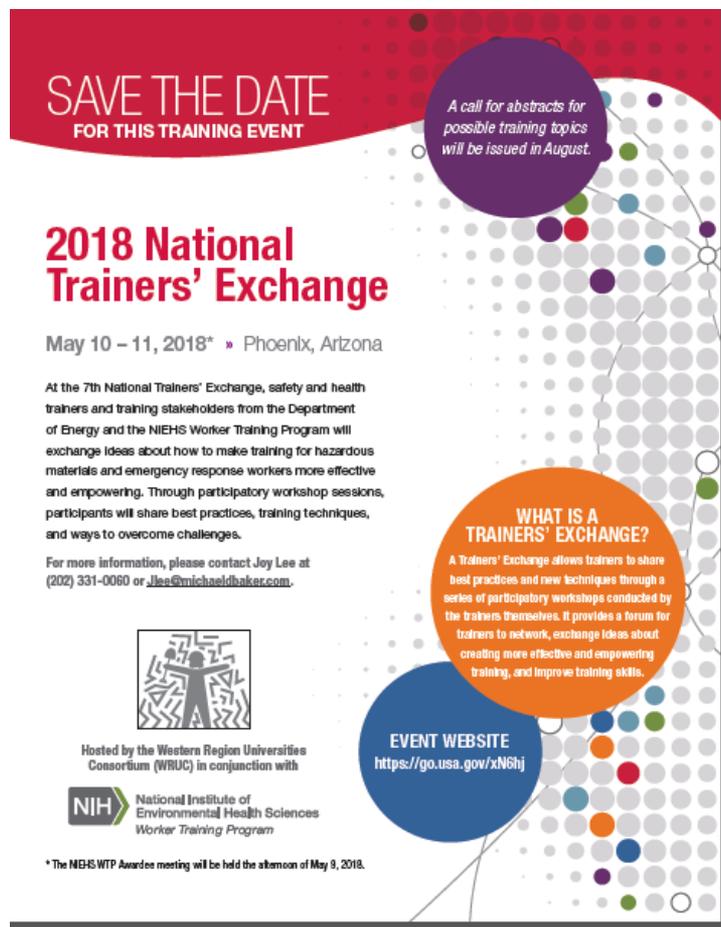
* The NIEHS WTP Awardee meeting will be held the afternoon of May 9, 2018.



Brownfields 2017
SUSTAINABLE COMMUNITIES START HERE

PITTSBURGH, PA
DECEMBER 5 – 7, 2017
with pre-conference programming on December 4th
DAVID L. LAWRENCE CONVENTION CENTER

2018 National Trainers Exchange May 10-11, 2018 Phoenix, Arizona



SAVE THE DATE
FOR THIS TRAINING EVENT

2018 National Trainers' Exchange
May 10 – 11, 2018* Phoenix, Arizona

At the 7th National Trainers' Exchange, safety and health trainers and training stakeholders from the Department of Energy and the NIEHS Worker Training Program will exchange ideas about how to make training for hazardous materials and emergency response workers more effective and empowering. Through participatory workshop sessions, participants will share best practices, training techniques, and ways to overcome challenges.

For more information, please contact Joy Lee at (202) 331-0060 or JLee@micheldibaker.com.

WHAT IS A TRAINERS' EXCHANGE?
A Trainers' Exchange allows trainers to share best practices and new techniques through a series of participatory workshops conducted by the trainers themselves. It provides a forum for trainers to network, exchange ideas about creating more effective and empowering training, and improve training skills.

EVENT WEBSITE
<https://go.usa.gov/xN6hj>

Hosted by the Western Region Universities Consortium (WRUC) in conjunction with

NIH National Institute of Environmental Health Sciences
Worker Training Program

*The NIEHS/WTP Awards meeting will be held the afternoon of May 9, 2018.

- Abstracts from trainers who wish to present workshops for the following tracks:

- E-Learning
- Life Skills and Job Training
- Training Approaches for Worker Empowerment
- Hazardous Waste Worker Training and Disaster/Emergency Response and Preparedness
- Instructor Development

Abstract Submission deadline: Friday, October 20, 2017 at 5:00 p.m. EDT.



NIEHS Environmental Career Worker Training Program Update For 09/01/1996-05/31/2017 Final

Year	Students Trained	Placed in Jobs	Percentage of Students Placed in Jobs
1996-2006	3,499	2,346	67%
2007	385	241	63%
2008	317	222	70%
2009	379	285	75%
2010	531	372	70%
2011	396	291	73%
2012	366	274	75%
2013	367	279	76%
2014	348	269	77%
2015	397	323	81%
2016	440	334	76%
2017	631	413	65%*
Total	8,056	5,649	70%

Total Training by Awardee - (Includes Supplemental Funding) Program Name: Environmental Career Worker Training Budget Period: 08/01/2016 - 07/31/2017

AWARDEE	COURSES COMPLETED	STUDENTS TRAINED	CONTACT HOURS
CPWR - The Center for Construction Research and Training	64	73	42382
Dillard University	77	118	42165
NJ/NY Hazardous Materials Worker Training Center	51	61	22050
OAI, Inc.	62	81	20149
United Steelworkers of America	49	56	14223
Western Region Universities Consortium	62	242	21168
Totals:	365	631	162137



Jim Remington

Program Analyst

Worker Training Program

Division of Extramural Research & Training

National Institute of Environmental Health Sciences

2017 HDPTP Awardees

- 'International Association of Fire Fighters'
- 'Texas-Utah Consortium for Hazardous Waste Worker Training'
- 'CPWR - The Center for Construction Research and Training'
- 'Nova Southeastern University'
- 'International Brotherhood of Teamsters'
- 'Partnership for Environmental Technology Education'
- 'Alabama Fire College'
- 'Laborers' International Union of North America'
- 'NJ/NY Hazardous Materials Worker Training Center'
- 'New England Consortium'
- 'International Chemical Workers Union'
- 'Western Region Universities Consortium'
- 'United Steelworkers of America'

2017 HDPTP Numbers

- Total Courses: 850
- Total Students: 12,313
- Total Contact Hours: 127,919

Resources



NIH National Institute of Environmental Health Sciences
Worker Training Program

Emergency Support Activation Plan Awardee Instructor Deployment Guide



February 2017



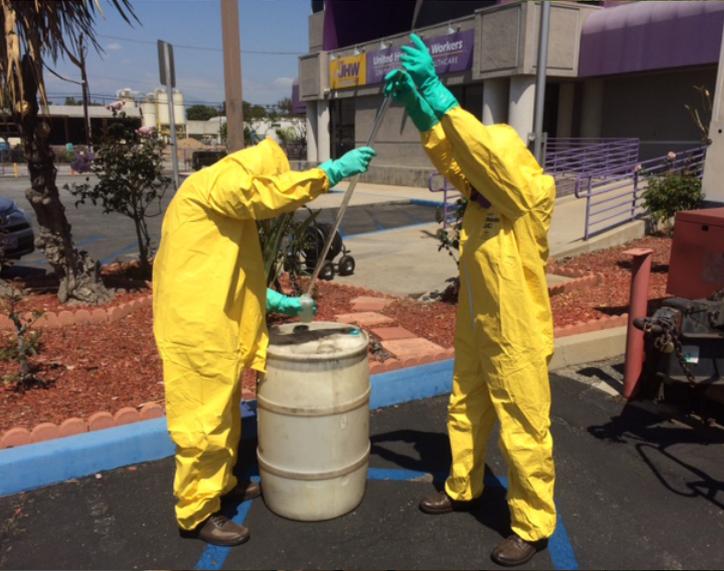
Demia Wright

Public Health Educator

Worker Training Program

Division of Extramural Research & Training

National Institute of Environmental Health Sciences



Thank You!!!



Communications and Reporting Activities

- State profiles
- Congressional staffer briefing
- HHS visit to Mississippi
- Friends of NIEHS presentation



NIH National Institute of Environmental Health Sciences
Worker Training Program

NEW MEXICO: Recent Health and Safety T

About the Worker Training Program
The NIEHS Worker Training Program (WTP) is a significant and integral national training element of the NIEHS "Hazardous Substance Basic Research and Training Program" authorized by the Superfund Amendments and Reauthorization Act of 1986 (42 USC 9660). These Hazardous Waste program awardees provide health and safety training for workers who are or can be exposed to hazardous materials and waste as part of their jobs or during emergency response. Courses are giving thousands of workers across New Mexico skills so they are prepared at the worksite and in the event of a disaster to handle hazardous materials and keep New Mexico communities safe.

In the budget year 2015 -2016, NIEHS WTP awarded workers through the Hazardous Waste and Hazmat New Mexico.

NIEHS also provides training in New Mexico and

- Under the *NIEHS-Department of Energy Nuclear* 2015-2016, awardees provided 120 courses
- Under the new *Ebola Biosafety and Infectious Disease* Program that began in 2016, awardees provided March 31, 2017.

Over the past few years, training was provided NIEHS WTP Awardees:

- *Alabama Fire College Workplace Safety Training*
- *Community College Consortium for Health and Safety Training/The Partnership for Environmental Technology Education*
- *Duke University*
- *Indiana University Bloomington*

A variety of courses are offered in New Mexico health and safety, including:

- Asbestos Abatement
- Basic Superfund Site Worker and Site Worker Refresher
- CPR
- Confined Space Rescue

For more information on all components of the NIEHS Worker Training Program, visit <https://www.niehs.nih.gov/careers/hazmat/index.cfm>



NIH National Institute of Environmental Health Sciences

NIEHS Superfund-Related Activities: Mississippi Highlights

The NIEHS Superfund-related activities were initiated under the Superfund Amendments and Reauthorization Act (SARA) of 1986 to provide solutions to the magnitude and complexity of Superfund assessment and remediation.

There are two components at NIEHS:



The Superfund Worker Training Program (WTP)
Trains and educates workers who may be engaged in activities related to hazardous waste removal or containment or emergency response.



The Superfund Research Program (SRP)
Fosters multidisciplinary health and engineering research to bring innovative solutions relevant to Superfund site cleanup and management.

Worker Training Program: Health and Safety Training Activities in Mississippi

From August 2015-July 2016, the *NIEHS Worker Training Program (WTP)* provided 13 courses to 240 workers under the *Hazardous Waste* and *Hazmat Disaster* Worker Training Programs in Mississippi. These trainings, on topics such as emergency response, general construction safety, and mold and mildew remediation, teach workers to properly handle hazardous materials at the worksite and in the event of a disaster, to help keep Mississippi communities safe.

Awardee: International Chemical Workers Union Council (ICWUC) Center for Worker Health and Safety Education

Training: In June 2017, ICWUC conducted a Disaster Train-the-Trainer course in Jackson, MS, hosted by the Jackson Police Department (JPD) in collaboration consortium member the Coalition of Black Trade Unionists (CBTU). The four-day course develops trainer emergency response capacity for disasters in the Gulf and Atlantic Coast regions. The trainers reviewed basic adult education principles, disaster curriculum, and the NIEHS disaster booklets on topics such as hurricane safety and flood response, and then taught their peers. Trainees included JPD employees from the Fire Arms Division and the Police Training Academy, local CBTU worker-trainers, and Dillard University trainers (another NIEHS awardee). ICWUC provides training in Mississippi under the Hazardous Waste and Hazmat Disaster programs, as well as the Infectious Disease Response program (see below).



Infectious Disease Response WTP Overview and Accomplishments

Ebola Biosafety and Infectious Disease Response Worker Training Program

A Multi-Sector, All-Hazards Approach to Biosafety Preparedness



Personal protective equipment practice session for firefighters and EMS from Calera and Decatur Fire Departments by Alabama Fire College Workplace Safety Training, subawardee under UAB. Photo courtesy of UAB.

The [NIEHS Worker Training Program \(WTP\)](#) is implementing infectious disease response training for workers across sectors who may be exposed to infectious diseases. This addresses an important gap revealed by the 2014 Ebola outbreak.

The Ebola Biosafety and Infectious Disease Response WTP began June 1, 2016, and will run through May 31, 2019. NIEHS is building federal capacity for biosecurity, biopreparedness, and rapid response to emerging infectious diseases, including developing an infrastructure of trainers and organizations who can be a resource during emergencies.

- NIEHS launched the program with the
- Centers for Disease Control and Prevention (CDC)
 - U.S. Department of Health and Human Services Office of the Assistant Secretary for Preparedness and Response
 - National Institute of Occupational Safety and Health
 - Occupational Safety and Health Administration.
- The program is funded through a \$10 million transfer to NIEHS WTP via CDC using Ebola emergency supplemental appropriations.

Program Accomplishments as of March 31, 2017:

Approximately 200 courses to more than 3,700 workers, with in-person trainings in approximately 25 states across the country.

Approximately 25 Train-the-Trainer and Trainer development courses were provided to more than 300 trainers across the country to become trainers or increase their capacity to train.

More than 20 new curricula are available on the NIEHS WTP Clearinghouse Curricula Catalog, some tailored to various worker occupations.

- The new curricula include:
- Hands-on skills and adult learning techniques.
 - Materials that are publicly available on-line.
 - Continuing education credits across several specialties.
 - Approval or integration into state and national organizations.

Occupations Trained:

- Airports/Airlines
- Construction Workers
- Corrections Workers
- Custodial/Environmental Service Workers
- Death Care Workers
- EMS and First Responders
- Healthcare Workers – patient care
- Healthcare Workers – non-patient care and laboratory
- Homeless Outreach Teams
- Nail Salon Workers
- Occupational Health and Safety Specialists
- Security and Customs
- Volunteers/Disaster Workers
- Vulnerable Populations

Stories of Success



National Institute of Environmental Health Sciences
Worker Training Program



SUCCESS STORY

Joanna Diaz building a tool box as part of the construction training skills component of the NJ Jobs4Vets program.

NJ/NY Hazardous Materials Worker Training Center

Provides New Career Paths to Veterans

Joanna Diaz was one of 17 under-employed or unemployed veterans who enrolled in a five-week training program offered in 2012 by Rutgers School of Public Health through the New Jersey (NJ)/New York (NY) Hazardous Materials Worker Training Center (the Center). Now, four years later she is a Union Carpenter working in a job site loves.

The Center, funded by the National Institute of Environmental Health Sciences (NIEHS) Worker Training Program's (WTP) Environmental Career Worker Training Program (ECWTP), has a long history of providing training to workers on health and safety issues related to: cleanup of hazardous waste sites, handling and treatment of chemicals, and planning for emergency response scenarios. The Center sought to address a local issue in New Jersey by training under-employed and unemployed veterans in new careers and to help them find jobs. Through the ECWTP, the new program, called **NJ Jobs4Vets Training Program**, focused on providing training in the areas of environmental remediation and restoration, disaster preparedness, and construction.

The NJ Jobs4Vets program recruited and enrolled 17 veterans to participate in a five-week training program that included courses taught by the Center's partners: the Rutgers School of Public Health and the New York City District Council of Carpenters Labor Technical College. Fifty-nine percent of the trainees enrolled in the program were of a minority population.

"We identified a significant need to re-train veterans, and the NJ Jobs4Vets program was created to provide environmental remediation and construction training. It gives me great pleasure to see the success that Joanna has attained with the assistance of our program. She has found a career that she loves, and it has positively changed her life!"

—Mitchel Rosen, Center Director
Rutgers SPH, NJ/NY Hazardous Materials Worker Training Center

Courses provided by Rutgers School of Public Health through NJ Jobs4Vets

- 4-hour Mold Awareness and Remediation Safety Procedures
- 8-hour Program Introduction
- 10-hour Construction Safety
- 16-hour Disaster Site Worker
- 32-hour Lead Abatement
- 32-hour Asbestos Worker
- 40-hour Hazardous Waste Site

Course provided by New York City District Council of Carpenters Labor Technical College

- 80-hour Construction Skills



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Worker Training Program



SUCCESS STORY

Randy Schwartzkopf, Reggie MacIn, and Rick Ramirez (pictured from left to right) are the OSHA 10-hour and 30-hour instructors at Afton Chemical's Sauget Plant.

Innovative Training Program Improves Facility Safety, Empowers Workers, and Saves Costs

The NIEHS Worker Training Program

The NIEHS WTP grantees provide health and safety training for workers who are or can be exposed to hazardous materials and waste as part of their jobs or during emergency response. The program was authorized by the Superfund Amendments and Reauthorization Act of 1986 (42 USC 960).

OSHA 10-Hour Outreach Training

Generally, an OSHA Outreach Training Program for General Industry (OSHA 10-Hour) provides basic safety and health information on the recognition, avoidance, reduction, and prevention of safety and health hazards in general industry worksites. The program also includes training on workers' rights, employer responsibilities, and how to file a complaint.

International Chemical Workers Union Council (ICWUC)

An innovative NIEHS-funded training program, facilitated by the *International Chemical Workers Union Council (ICWUC)*, is helping strengthen worker health and safety at Afton Chemical Corporation's Sauget, Illinois facility. With support from the NIEHS Worker Training Program (WTP), ICWUC trains employees to recognize and respond to a variety of health and safety concerns in ways that protect workers and reduce costs.

Beginning in August 2012, management at Afton Chemical's Sauget worked with the ICWUC's Center for Worker Health and Safety Education in Cincinnati, Ohio to establish baseline health and safety knowledge across the plant. This was done by requiring all employees – from hourly workers to management – to complete an Occupational Safety and Health Administration (OSHA) 10-Hour Outreach Training course. ICWUC delivered the training courses, and used a Train-the-Trainer model, creating in-house capacity to continue the training over time.

"Most companies train only their management personnel in OSHA 10-Hour, who then promote safety among the employees they manage," said Randy Schwartzkopf, safety chair at the Sauget Plant for ICWUC Local 871C. "At the Afton Sauget plant, we believe safety is everyone's responsibility. By training all employees, our goal is to create more subject matter experts, promote transparency, and foster a culture of inclusion."

Employees enrolled in the training are a mix of hourly workers, salaried workers, and contractors. Hourly workers are represented by the ICWUC, Local 871C, a council of the United Food and Commercial Workers.

"Our training at [Afton Chemical] involves both the labor union and management, so the focus extends beyond a single safety issue as it comes up. When you get buy-in from management and you train everyone with basic information, then you can get a structural change, which carries on well after the training is complete."

—John Morawetz, Director, ICWUC Center for Worker Health and Safety Education

Training Summaries and Highlights Web Page

The screenshot shows the NIH Worker Training Program website. The top navigation bar includes 'Health & Education', 'Research', 'Funding Opportunities', 'Careers & Training', 'News', and 'About NIEHS'. The left sidebar contains a menu with 'Careers & Training' as the main category and sub-items like 'HAZMAT Safety & Training', 'About WTP', 'Awardees', 'Clearinghouse', 'Funding Mechanisms', 'Meetings & Workshops', 'National Response & Disaster Recovery', and 'Other Links & Resources'. The 'Training Summaries & Highlights' link is highlighted in the sidebar, with a red arrow pointing to it. The main content area is titled 'Training Summaries & Highlights Worker Training Program' and includes a 'Table of Contents' button, an introductory paragraph about the program since 1987, and sections for 'Annual Reports', 'Program Highlights', 'Success Stories', 'Environmental Factor (NIEHS News) Stories', and 'Training Summaries'.

Ongoing/Upcoming Work with NIEHS Office of Communications and Public Liaison (OCPL)

- Move to an NIEHS Template:
 - State profiles
 - Four-page overview
- Updates to WTP web main pages

<https://www.niehs.nih.gov/careers/hazmat/index.cfm>



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Superfund Research

The Superfund Research Program (SRP) practical, scientific solutions to protect environment, and communities since 1980 to learn more about ways to protect the exposure to hazardous substances, such as solvents, arsenic, lead, and mercury, which can cause death, disease, and birth defects. These substances are found in contaminated sites throughout the United States.

As part of the National Institute of Environmental Health Sciences, one of the National Institute's SRP funds grants on basic biological, engineering processes, to find real solutions to waste problems. In addition, SRP helps generate environmental health research.

Reducing contamination

SRP conducts research to reduce contamination from spreading. For example, SRP:

- Used microbes to remove uranium from groundwater.
- Developed new ways to remove metals from water without producing toxic sludge.
- Developed tests to screen for hormones that can harm human development.
- Developed green manufacturing processes for hazardous chlorinated contaminants.



Photo courtesy of University of Washington SRP Center

PO Box 12233 • Research Triangle Park, NC 27709
Phone: 919-541-3345 • www.niehs.nih.gov

August 2014

Worker Training Program

A National Institute of Environmental Health Sciences (NIEHS) Superfund-Related Activity

The NIEHS Worker Training Program (WTP) annually provides approximately 60 health and safety courses to 1,000 workers in Alaska. These grantee-led trainings reach into remote areas and fill critical hazardous material and emergency response training gaps.



Courses include:

- Basic Superfund Site Worker Trainings and Refreshers
- CPR/First Aid
- Emergency Response Incident Command
- Fire Watch
- Hazardous Waste Operations
- Industrial Emergency Responder
- Oil Spill Response

Training Highlights

Community College Training

Courses on oil spill and emergency response are offered through Prince William Sound Community College in Valdez by the Community College Consortium for Health and Safety Training/Partnership for Environmental Technology Education. The grantee also has provided Hazardous Waste Operations and Emergency Response (HAZWOPER) training on fishing vessels for fleets in six Alaska ports. Many of the contracted trainers are safety professionals with the Alyeska Pipeline. In general, community colleges train the majority of technician-level emergency responders and industrial workers in the nation.



Photo courtesy of Prince William Sound College

Training for Native Americans and Rural Villages

The University of Washington (UW), a member of the Western Region Universities Consortium, provides courses in Alaska. UW works with three different local organizations to provide training:



Zender Environmental

Zender Environmental has a Rural Alaska Community Environmental Job Training (RACEJT) Program, which provides environmental training and employment for unemployed residents in remote areas.

Alaska



About the Worker Training Program

The NIEHS Worker Training Program (WTP) funds nonprofit organizations to provide health and safety training for workers who may be exposed to hazardous materials and waste at work or while assisting with emergency response. The NIEHS WTP was initiated under the Hazardous Substance Basic Research and Training Program authorized by the Superfund Amendments and Reauthorization Act of 1986 (42 USC 9660).

Under these NIEHS Superfund-related activities, WTP grantees provide trainings across the country through three components: the Hazardous Waste, Hazmat Disaster, and Environmental Career Worker Training Programs.

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October 2017

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

♻️ Printed on recycled paper

Upcoming Work in Communications, Reporting, and Evaluation

Congressional Justification

DMS Data Analysis for APHA Presentation

Infectious Disease Response – Full year report

DOE Annual Report

Evaluation Community of Practice calls

Progress Report and RPPR Reminders

- Match training numbers in the WTP progress report narrative to DMS numbers
- Deadlines:
 - Spring: RPPR and WRP DMS documents/data.
 - Attach the WTP progress report in the accomplishments section of the RPPR so it's all in the grant record and in one place.
 - Fall: No RPPR. DMS documents/data only (internal WTP requirements).
- If there are anecdotes, stories, and locally/state relevant information in your WTP progress report, the less we'll need to bother you when there are fast turn arounds.

Progress Report and RPPR Reminders

- Topics of most interest for CJ:
 - Superfund site work
 - Rural partners, companies – letters of support
 - Involvement in wildfire training/response
 - Training rural firefighters
 - Collaboration with Bureaus under Dept of Interior
 - Land Management, Indian Affairs, Fish and Wildlife, Geologic Survey, Park Service, Surface Mining Reclamation and Enforcement, Ocean Energy Management
 - Key states: AK, CA, MN, WA, KY, OK