



National Institute of  
Environmental Health Sciences

# National Institute of Environmental Health Sciences (NIEHS)/ DOE Nuclear Worker Training Program *Overview and Initiatives*

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**Ted Giltz, *Contractor***  
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NIEHS, NIH



## Today We Will Cover

- 1. Background and update on the NIEHS/DOE grant program – Sharon Beard, Demia Wright, Ted Giltz**
- 2. Case studies from grantees**
  - Ashlee Fitch, United Steelworkers Tony Mazzocchi Center, [afitch@usw.org](mailto:afitch@usw.org)
  - Gary Gustafson, CPWR – The Center for Construction Research and Training, [ggustafson@cpwr.com](mailto:ggustafson@cpwr.com)
  - Kirk Laflin, National Partnership for Environmental Technology Education, [klaflin@maine.rr.com](mailto:klaflin@maine.rr.com)
- 3. General Q&A**

## NIEHS/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)

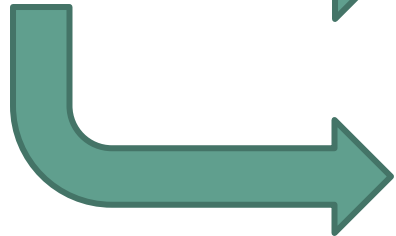


# NIEHS/DOE Nuclear Worker Training Program

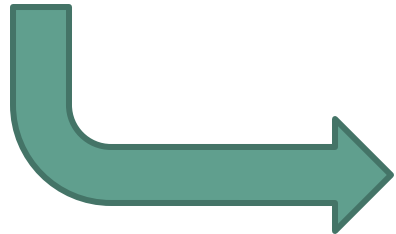
NIEHS is funded by DOE to provide training that supports:



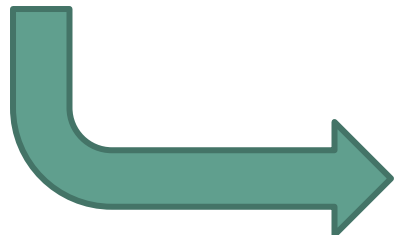
**Workers prepared for all hazards across the DOE complex**



**Site-specific delivery of courses**

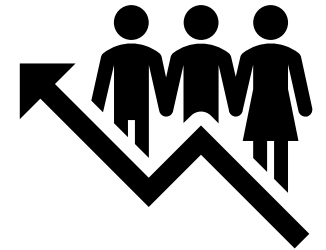
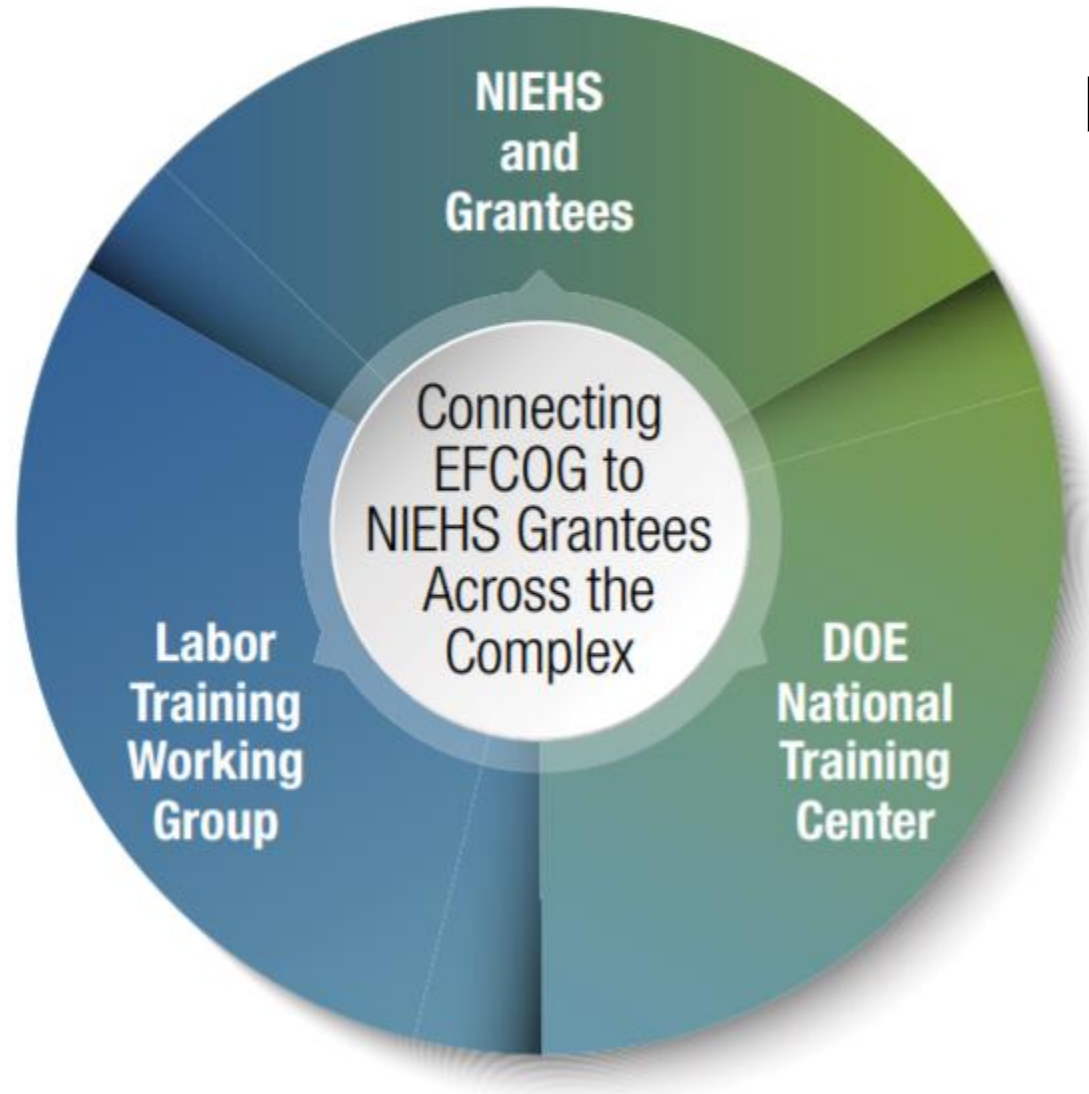


**Flexibility for new hazards or emerging needs under any DOE directives or orders**



**Ability to deliver training for pre-employment and relevant job skills in fenceline communities**

# *Success through partnership and collaboration*



## Program Grantees, 2020 – 2025

CPWR	CPWR - The Center for Construction Research and Training
IAFF	International Association of Firefighters
IBT	International Brotherhood of Teamsters
ICWUC	International Chemical Workers Union Council Center for Worker Health and Safety Education
LIUNA	Laborers International Union of North American National Training and Education Fund
PETE	National Partnership for Environmental Training and Education/ Community College Consortium for Health and Safety Training
USW TMC	United Steelworkers Tony Mazzochi Center

### 2021 Program Year:

- 7 grantees
- 23,096 workers trained
- 1,901 courses
- At or around 31 sites

# Types of Courses Delivered by NIEHS/DOE Grantees



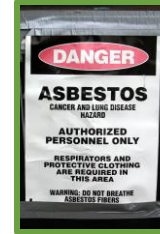
## Site Worker and Emergency Response

- Refresher
- 40 hour
- HazMat Technician



## Radiological

- Radiological Control Technician
- Radiation Worker and Refresher



## Asbestos and Lead

- Awareness
- Supervisor



## Confined Space

- Awareness
- Rescue



## Building Trades Safety

- General Construction Safety
- Electrical Safety
- Crane and Rigging



## RCRA/Industrial

- RCRA TSD Site Worker
- Industrial Emergency Response
- General Industry Safety



## Transportation

- HazMat Transport
- Load securement



## Equipment Safety

- Fall Protection
- Forklift Operator
- Scaffold User/Awareness



## Safety Culture

- TLP-100, Safety Culture Training for Workers
- Foundations for Safety Leadership
- Frontline Safety for DOE

Since 1993, trained more than 694,000 workers in 48,000 courses

## Partnerships with Site Contractors and EFCOG

- Historical need for more collaboration and communication with site contractors
- NIEHS contracted with Ted Giltz for connecting and communicating with site contractors
- Partnership activities built on previous and ongoing work with Idaho, Los Alamos, HAMMER, Oak Ridge, Savannah River
  - Examples from these and others will be discussed today





# Recent activities with Site Contractors, EFCOG, and DOE

- Build from strong partnerships and prior challenges
- Educate new contractors
- Establish connections with new leadership (e.g., EM, NTC, AU/Office of Health and Safety)
- Activities to increase collaboration and address challenges
  - Updated annual fact sheet – short overview
  - Created new fact sheet – information geared towards site contractors
  - Worked with LANL and grantees to develop a process/roles & responsibilities document
  - Continue to connect with EFCOG Training WG

**NIEHS/DOE Nuclear Worker Training Program**

**Program Goal**  
The National Institute of Environmental Health Sciences (NIEHS)/Department of Energy (DOE) Nuclear Worker Training Program provides high-quality health and safety training to DOE site workers to ensure they are prepared to work safely in hazardous environments. The

**Program Training Summary, 2019-2020**  
For the period September 1, 2019 - August 31, 2020:

19,925 Workers trained | 1,402 Courses provided | 214,617 Contact hours delivered

NIEHS/DOE grantees trained at or around 31 sites:

**Collaborations with DOE and DOE Contractors**  
Protecting worker health and safety through training delivery has been a primary goal of the Office of Environmental Management. The training offered under the NIEHS/DOE Nuclear Worker Training Program supports and integrates with DOE safety culture; Title 10 of the Code of Federal Regulations, and

**NIEHS/DOE Nuclear Worker Training Program**  
PREPARING DOE WORKERS TO PERFORM WORK SAFELY

This brochure provides information on the NIEHS/U.S. Department of Energy (DOE) Nuclear Worker Training Program and how DOE sites can partner with NIEHS-funded training organizations for course delivery.

Since 1993, WTP has been in partnership with the DOE Office of Environmental Management to provide grants from the National Institutes of Health. The grants go to nonprofit organizations, or grantees, to develop and administer model health and safety training programs for DOE workers.

**Program Overview**  
The NIEHS/DOE Nuclear Worker Training Program provides health and safety training for workers within the DOE nuclear weapons complex. The program is a partnership between the NIEHS Worker Training Program (WTP) and the DOE Office of Environmental Management to provide grants for nonprofit organizations, or grantees, to deliver fundamental and site-specific health and safety training to DOE workers. WTP grantees deliver training to DOE workers involved in any nuclear weapons related activities. Training includes fundamental and advanced hazard-specific training and is provided through local partnerships between the government, contractors, and program grantees. Pre-employment training can also be provided, which improves project mobilization and reduces costs.

**Course Curricula and Delivery**  
Course delivery is available for topics related to occupational safety and health, such as personal protective equipment, hazard communication, and others. Course curricula and training materials are developed by professionals with a systematic approach, building on an analysis of needs, curriculum design, and evaluation. Adult learning methods are the bedrock of WTP grantee training, with hands-on skills development and technologies that enhance the learning experience. The development, maintenance, and delivery of course curricula are funded by NIEHS/DOE Nuclear Worker Training Program grants. In some situations, collaborative agreements allow WTP grantee instructors to use DOE contractor training materials.

Trainees during a 40-hour Hazardous Waste course.  
Photo courtesy of the International Chemical Workers Union Council, Center for Worker Health and Safety Education



**TONY MAZZOCCHI**  
CENTER

**ASHLEE FITCH, CSP**

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# RCT Academics Training Program

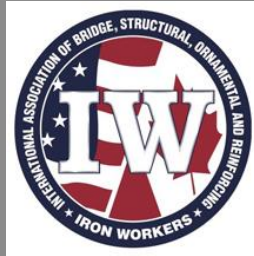
Radiation Control Technician Academics (RCT) Training Program:

- Community partnership
- Reciprocity from the National Training Center (NTC)
- Capacity Building

Training was created in collaboration with the National Institute of Environmental Health Sciences (NIEHS), and the Department of Energy (DOE), grant number 5UH4ES009761.

## CPWR - Who We Are

- Non-profit established by NABTU
- Partners:





# CPWR Involvement

- Chair the Labor Training Work Group
- DOE Hoisting & Rigging Committee

# Successes

- NFPA 70E – INL
- HAZWOPER – Oak Ridge & LANL
- OSHA & First Aid - Portsmouth



# CPWR



THE CENTER FOR  
CONSTRUCTION  
**RESEARCH**  
**AND TRAINING**

**Gary Gustafson**

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South Portland, ME Tel: 207-771-9020

# Community Colleges providing EH&S Training at DOE Nuclear Complexes/Labs

- Amarillo College, Amarillo, TX
  - PANTEX
- Roane State College, Oakridge, TN
  - ORNL
  - Y-12
  - Savannah River
- Greenville Technical College, Greenville, SC
  - Savannah River
- Santa Fe Community College, Santa Fe, NM
  - LANL



# Safety Culture for Workers

Three courses developed through supplemental funding

- Courses from CPWR
  - Foundations for Safety Leadership (FSL) for DOE, 2.5-3 hrs
  - Safety Orientation for DOE Workers, 8 hrs
    - This is now DOE's TLP-100
- Course from International Association of Firefighters
  - Frontline Safety for DOE, 8 hrs



# NIEHS Collaboration with EFCOG

## *Connecting our grantees to your training needs*

### *The process*

Site contractor provides Ted a description of your training needs

NIEHS matches site training needs with grantee training capabilities and geography

Collaboratively develop an initial schedule

Collaboratively work through logistics, such as:

- Finding and approving trainers
- Curricula decisions and needs

***In most cases, we have a grantee who delivers the health and safety course you need - just contact us to discuss!***

# More Information

**Partnership fact sheet:** Overview of how grant-funded training is useful to contractors

[https://www.niehs.nih.gov/careers/assets/docs/doe\\_partnership\\_factsheet\\_2021.pdf](https://www.niehs.nih.gov/careers/assets/docs/doe_partnership_factsheet_2021.pdf)

**Partnership process/roles & responsibilities document:** How to get started or continue planning for grantee/site contractor partnerships

[https://www.niehs.nih.gov/careers/assets/docs/wtp\\_doe\\_contractor\\_process.pdf](https://www.niehs.nih.gov/careers/assets/docs/wtp_doe_contractor_process.pdf)

## NIEHS/DOE Nuclear Worker Training Program

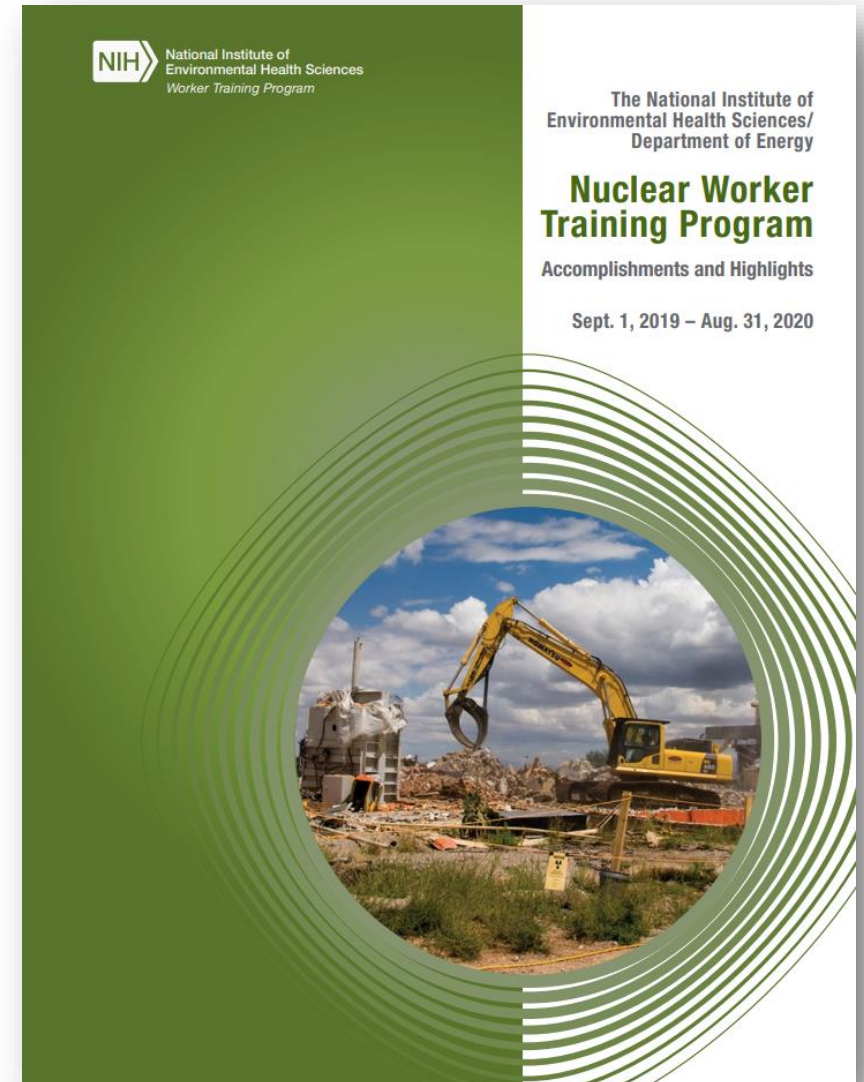
[https://www.niehs.nih.gov/careers/hazmat/about\\_wetp/doe/index.cfm](https://www.niehs.nih.gov/careers/hazmat/about_wetp/doe/index.cfm)

## Subscribe to the Clearinghouse Newsletter

<https://tools.niehs.nih.gov/wetp/subscribe/>

## NIEHS WTP COVID-19 Resources

<https://tools.niehs.nih.gov/wetp/covid19worker/>



## Thank you for partnering with NIEHS!

## Questions?



## Contact Information

- Sharon Beard, Director, NIEHS Worker Training Program, [beard1@niehs.nih.gov](mailto:beard1@niehs.nih.gov)
- Demia Wright, Public Health Educator, NIEHS Worker Training Program, [demia.wright@nih.gov](mailto:demia.wright@nih.gov)
- Ted Giltz, NIEHS Contractor for support of NIEHS/DOE program, [ted.giltz@nih.gov](mailto:ted.giltz@nih.gov)