



NIEHS Environmental Career Worker Training Program (ECWTP) Meeting

DECEMBER 10, 2019 | 8:30 a.m. – 12:30 p.m.

8:30 – 8:45 a.m.	Breakfast <i>Joan Palevsky Center (Building 281)</i>
8:45 – 9:30 a.m.	Welcome and Introductions NIEHS WELCOME: <i>Sharon D. Beard and Chip Hughes</i> UCLA WRUC WELCOME: <i>Linda Delp</i> INTRODUCTIONS AND NIEHS UPDATE: <i>Sharon D. Beard</i>
9:30 – 10:30 a.m.	UCLA WRUC Presentation OVERVIEW: <i>Linda Delp, UCLA and Butch de Castro, UW</i> ECWTP: <i>Yodit Semu, UCLA</i>
	Ready to Work <i>DeAndrea Lottier Ross, Janel Bailey, LaTonya Harris, and Mindy Garland; The Los Angeles Black Worker Center</i> • Pathway to Construction Apprenticeship: Innovative Workforce Development Program
10:30 – 11:30 a.m.	ECWTP Accomplishments/Outcomes (10-15 minutes each) • CPWR: Steve Surtees • NJ/NY CONSORTIUM: Everett Kilgo • TSU/DSCEJ HBCU CONSORTIUM: Beverly Wright • OAI, INC.: Montgomery Proffit • USW/TMC/MAKE THE ROAD NY: Maiber Solarte

NIEHS ECWTP and EPA Environmental Workforce Development and Job Training (EWDJT) Joint Meeting

DECEMBER 10, 2019 | 12:30 p.m. – 3:45 p.m.

12:30 – 1:30 p.m. **Introductions and Working Lunch** *Joan Palevsky Center (Building 281)*

NIEHS Worker Health and Safety Training Programs

PRESENTERS: *Sharon D. Beard and Chip Hughes, NIEHS; Linda Delp, UCLA WRUC*

- Key Observations from NIEHS Principal Investigators/Training Coordinators

1:30 – 1:40 p.m. **Break and Move to Next Session**

1:40 – 2:40 p.m. **Concurrent Sessions**

Disaster/Emergency Response Training and OSHA Updates *Joan Palevsky Center (Room A)*

SESSION FACILITATORS: *John Morgan, HMTRI; Bruce McClue III, TSU/DSCEJ HBCU Consortium; Linda Delp, UCLA WRUC*

- General conversation/relevant training
- New fit test protocol
- Silica protection and training
- Finding and recruiting qualified trainers

Emerging Environmental and Construction Training Issues *Joan Palevsky Center (Room B)*

SESSION FACILITATORS: *Beverly Wright, TSU/DSCEJ HBCU Consortium; Howard Hipes, Michigan BAC/CPWR; Eric Shanks, Cypress Mandela Training Center, Inc.*

- Emerging climate issues
- Apprenticeship
- Work study and internships

Keeping It Real *Joan Palevsky Center (Room C)*

PRESENTER: *Victor Narro, UCLA Labor Center*

SESSION FACILITATOR: *Sharon D. Beard, NIEHS*

- Understanding the issues
 - Rights and tools for workers around wage theft
-

Meeting Agenda Cont.

2:40 – 2:45 p.m. **Break and Move to Next Session**

2:45 – 3:30 p.m. **Concurrent Sessions**

Training for Wildfire Recovery, Cleanup, and Resiliency *Joan Palevsky Center (Room A)*

PRESENTER: *Kevin Riley, UCLA WRUC*

- Disasters and recovery
 - Resiliency planning
-

Student Record Keeping/Retention and Post Graduate Tracking *Joan Palevsky Center (Room B)*

SESSION FACILITATOR: *Everett Kilgo, NJ/NY Consortium; Elaine Rodriquez, Job Train/CPWR; Susan Seaquist, MassHire MVWB*

- Records management and managing multiple partners and funding sources
 - Working with employers
 - Student tracking strategies
-

New Emerging Workforce Development Initiative *Joan Palevsky Center (Room C)*

The Equity, Climate, and Jobs Framework and The High Road Training Partnership

PRESENTERS: *Avin Sharma, Port of Los Angeles; Lola Smallwood and Katherine Cabrera, UCLA Labor Center*

SESSION FACILITATOR: *Yodit Semu, UCLA WRUC*

3:30 – 3:35 p.m. **Move to Next Session**

3:35 – 3:45 p.m. **Questions and Wrap-up** *Joan Palevsky Center (Building 281)*

3:45 p.m. **Travel to National Brownfields Conference**

Please note that you will be responsible for your transportation to the Los Angeles Convention Center for the National Brownfields Conference.



Thank you's!!!!

LOS ANGELES CONVENTION CENTER

December 10

4:00 p.m. **Regional Open Houses** *(See National Brownfields Conference schedule for locations)*

6:00 p.m. **Environmental Justice Caucus** *(See National Brownfields Conference schedule for locations)*

- Please register for the session via the Brownfields 2019 website

December 12

11:00 AM – 12:00 PM **#lifechange: Environmental Career Worker Training Programs** 403 B

- The ID for our session is 566316 under Track 4: Community Engagement and Environmental Justice.

Sharon D. Beard Industrial Hygienist, WTP, NIEHS

NIEHS WTP Update





WTP: Preparing workers since 1987

Increasing **worker safety and health** across the country

Trained approximately **4 million workers** since 1987

Helps **businesses and municipalities** meet worker training needs; helps keep worksites and communities safer

Increasing the country's capacity for **disaster preparedness and emergency response**

Trained thousands of workers in response to many of the worst **natural and manmade disasters** in the U.S., including:

- World Trade Centers
- Hurricanes Katrina, Sandy, Harvey, Irma, Maria, and Florence
- Deepwater Horizon Gulf Oil Spill
- Ebola/Biosafety Response

Providing a **job and life skills training program** to unemployed and underemployed individuals

Reached over **12,000 individuals** in 30 communities across U.S., with **average job placement rate of 70%**

Annual federal investment of **\$3.5M** generates a **\$100M return**

NIEHS WTP UPDATE

- 2019 ECWTP Training Numbers
- ECWTP 25th Year Anniversary
 - Video's, success stories,
 - Articles, abstracts, presentations
 - NIEHS WTP Newsbrief, E-Factor, etc
- NIEHS Funding Opportunity Announcement
 - Timeline
- Upcoming Meetings and Activities
 - Spring 2020 Meeting – Atlanta, GA – March 16-18, 2020
 - WTP Operational Matrix

Environmental Career Worker Training Program





NIEHS Environmental Career Worker Training Program

NIEHS Environmental Career Worker Training Program Update For 09/01/1996-10/31/2019 Draft Final			
Year	Students Trained	Placed in Jobs	Percentage of Students Placed in Jobs
1996-2008	7566	5115	68%
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	562	392	70%
2018	569	423	74%
2019	644	497	77%
Total	12,565	8,854	70%

2020



Report Name: Collective Student Demographic Report –
(Includes Supplemental Funding)

Program Name: Environmental Career Worker Training

Num of Years: 5 Year(s) Training Summary

Budget Period: 08/01/2014 - 07/31/2019

GENDER	2015	2016	2017	2018
F	36	80	124	195
M	361	360	438	374
Totals:	397	440	562	569

TYPE OF WORK	2015	2016	2017	2018
CONSTRUCTION	239	280	310	401
ENVIRONMENTAL	127	116	92	26
Totals:	366	396	402	427

UNEMPLOYED or UNDEREMPLOYED	2015	2016	2017	2018
UN	269	239	321	337
UNDER	128	201	241	232
Totals:	397	440	562	569



**Report Name: Total Training by Awardee
(Includes Supplemental Funding)
Program Name: Environmental Career Worker Training
Budget Period: 08/01/2018 - 07/31/2019**

AWARDEE	COURSES COMPLETED	STUDENTS TRAINED	CONTACT HOURS
CPWR - The Center for Construction Research and Training	66	81	37,138
NJ/NY Hazardous Materials Worker Training Center	39	66	21,054
OAI, Inc.	65	89	31,285
Texas Southern-DSCEJ	40	102	18,825
United Steelworkers of America	23	65	12,392
Western Region Universities Consortium	73	241	22,009
Totals:	306	644	142,703

WTP Creates New Job Opportunities: Environmental Career Worker Training Program (ECWTP)

Job and life skills training program: For unemployed and underemployed individuals

Success: Since beginning of program (FY95), over 12,000 workers have been trained with an average 70% employment rate. For 2018, average employment increased to 74% with 77% for 2019.

Economic Impact Analysis: \$100 million return on \$3.5 million investment.

- Increases probability of employment by about 59%.

Local Programs: E.g. Training in East Palo Alto, CA; New Orleans, LA; St. Paul, MN; and Flint, MI (CPWR)

- 2018: Graduated 84 out of 86 trainees: 75 are employed at 87% job placement with average wage of \$19.02.
- 2019 -



- Center for Construction Research and Training
 - New Orleans, LA; St. Paul, MN; East Palo Alto, CA and Flint MI.
- OAI
 - Chicago, IL; Dallas, TX; Kansas City KS/MO.
- University of California, Los Angeles
 - Los Angeles, CA; Seattle, WA; and Portland, OR

- Rutgers School of Public Health-NJ/NY Consortium
 - Newark, NJ and New York City, NY
- TSU/DSCEJ- HBCU Consortium
 - New Orleans, LA; Pensacola, FL; Houston, TX; and Detroit, MI.
- United Steelworkers
 - New York City, NJ



Overview of Reports and Findings

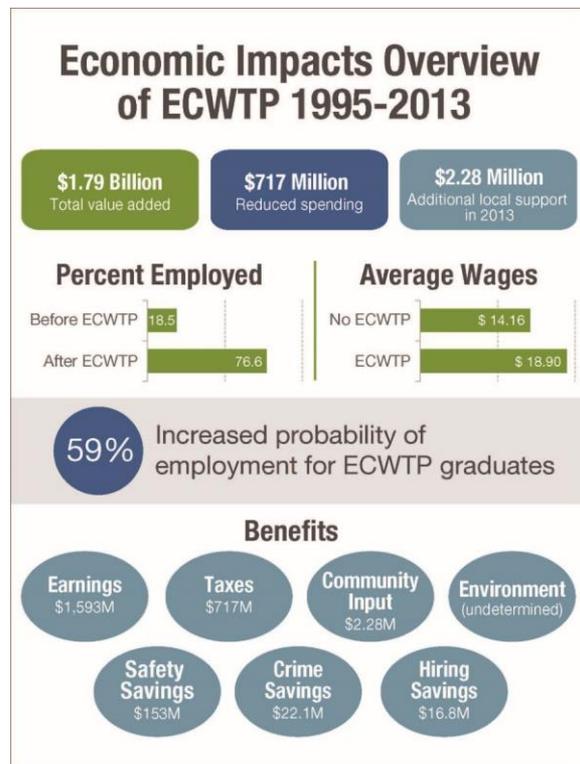


NIH National Institute of Environmental Health Sciences

National Institute of Environmental Health Sciences
Worker Education and Training Program

MINORITY WORKER TRAINING PROGRAM:
Guidance on How to Achieve Successes and Best Practices

March 2014

- Benefits
 - Higher earnings
 - Fewer workplace injuries
 - Lower hiring costs
 - Reduced crime related costs
 - Improved government fiscal budget
 - Environmental benefits
 - In-kind donations

- NIEHS Worker Training Program
 - <http://www.niehs.nih.gov/careers/hazmat/index.cfm>
- NIEHS NATIONAL CLEARINGHOUSE
 - <http://tools.niehs.nih.gov/wetp/>
- **Hurricanes, Floods and Mold Resources**
 - <https://tools.niehs.nih.gov/wetp/index.cfm?id=2472>
 - Mold Booklets are available in English and Spanish, and can be ordered through an [online order form](https://tools.niehs.nih.gov/wetp/booklets/index.cfm) at no cost - <https://tools.niehs.nih.gov/wetp/booklets/index.cfm>
 - https://tools.niehs.nih.gov/wetp/public/hasl_get_blob.cfm?ID=9795
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- Deborah Weinstock: dweinstock@michaeldbaker.com



WORKER PROTECTION FROM WILDFIRE SMOKE

Emergency Cal/OSHA Standard 2019

California's recent wildfire seasons have confirmed fears of worsening fire conditions that have become a year-round threat. Increasingly, workers in the path of wildfire smoke have been the focus of concern given the health impacts of exposure. In December 2018, worker advocates in the state urged the California Division of Occupational Safety and Health (Cal/OSHA) to take measures to address this growing worker health threat.

The Cal/OSHA Standards Board voted to adopt an emergency temporary standard to protect workers from exposure to wildfire smoke. The temporary standard went into effect on July 29, 2019 and will remain effective for up to one year. Cal/OSHA is now developing a permanent standard.



Photo: CAUSE (Central Coast Alliance United for a Sustainable Economy) @CAUSE05

HOW DOES WILDFIRE SMOKE AFFECT HEALTH?

Wildfire smoke includes ash and tiny particles that can travel through the air over long distances. These particles are made up of whatever is being burned – not only plants and vegetation, but also remnants of residential or commercial structures, vehicles, industrial or household chemicals, and other unknown materials. Many of these particles are invisible to the naked eye.

Individuals may experience health symptoms if they breathe in these smoke particles. These symptoms can include:

- Irritation of the eyes, nose, and throat
- Difficulty breathing
- Asthma attacks
- Chest pain
- Persistent cough, phlegm, and wheezing

Particulate matter can also cause more serious longer term health problems, such as reduced lung function, chronic bronchitis, worsening of asthma, heart failure, and early death.

Adults over 65 years of age, children, and individuals with pre-existing health conditions are at higher risk for smoke-related health problems.

DEFINITIONS:

AQI: Air Quality Index. An index that indicates air pollution and associated health concerns

- Real-time AQI for any location in the U.S is available at: www.airnow.gov

PM2.5: Particles (or "particulate matter") with a diameter of **2.5 micrometers** or less - about 3% the thickness of a strand of human hair. The small size of PM2.5 particles allows them to reach deep into the lungs and even enter the bloodstream.

WHEN ARE EMPLOYERS REQUIRED TO ACT?

The emergency standard is triggered when the AQI (air quality index) for PM2.5 at the worksite exceeds 150. An AQI above 150 indicates that the air is "unhealthy" to breathe. Employers must monitor air quality using publicly accessible forecasts of AQI for PM2.5 or by directly measuring PM2.5 levels at the worksite.

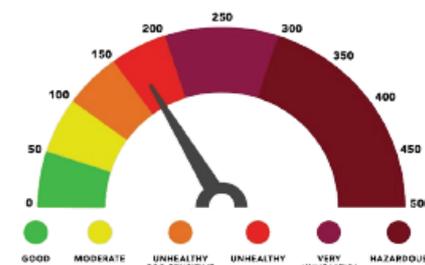


Photo: Cowaymega

WHO DOES THE EMERGENCY STANDARD APPLY TO?

The emergency standard applies to both outdoor and indoor workers who may be exposed to wildfire smoke for more than one hour per day, even if they are not directly impacted by fires.

This may include:

- Construction Workers
- Agricultural Workers
- Utility Workers
- Landscapers and Gardeners
- Day Laborers and Domestic Workers
- Warehouse Workers
- School Personnel

The emergency standard does not apply to wildland firefighters or workers in enclosed buildings, structures, or vehicles with filtered air systems.

WHAT PROTECTIONS DOES THE EMERGENCY STANDARD PROVIDE?

When the AQI for PM2.5 exceeds 150, employers are required to:

- Communicate with workers about current AQI PM2.5 at the worksite and the potential symptoms of wildfire smoke exposure
- Provide training on the health effects of wildfire smoke, protections available to them, and procedures for obtaining medical treatment
- Reduce workers' exposure to wildfire smoke by providing enclosed building or vehicles with filtered air, relocating work where the AQI or PM2.5 is lower than 151, changing work schedules, lessening work intensity, and/or accommodating longer rest breaks
- Provide respirators (NIOSH-approved N95 filtering face piece respirators) and encourage their voluntary use
- As currently written, the emergency standard requires respirator use along with mandatory fit testing for workers if the AQI for PM2.5 exceeds 500

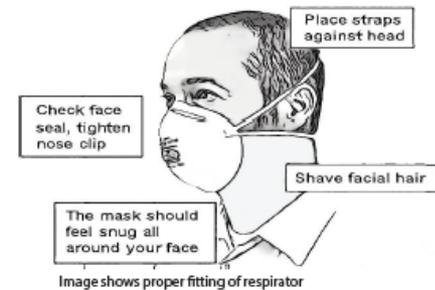


Image shows proper fitting of respirator

Photo: Cal/OSHA

NEXT STEPS

- Cal/OSHA is working to develop a permanent standard to protect outdoor workers from wildfire smoke.

To download this and other LOSH factsheets, visit losh.ucla.edu

Produced by the UCLA Labor Occupational Safety and Health Program (LOSH) under a grant from the National Institute for Environmental Health Sciences (NIEHS) Worker Training Program (Grant no. 3U49ES006173), October 2019.



Bilingual Wildfire Training- October 23, 2019 – Pasadena Job Center



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Photo: Cowaymega

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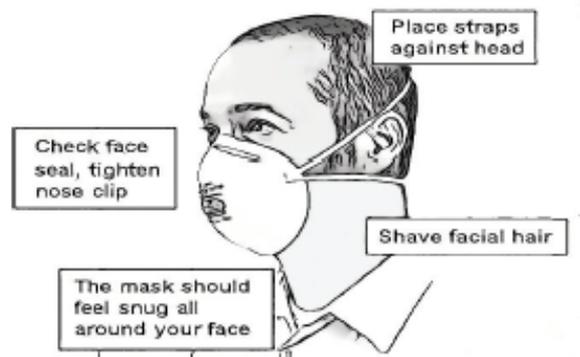


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Photo: Cal/OSHA



Thank you

Sharon D. Beard
Industrial Hygienist/Program Administrator



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