

NIOSH Deepwater Horizon Response: Working to Protect Response Workers and Volunteers

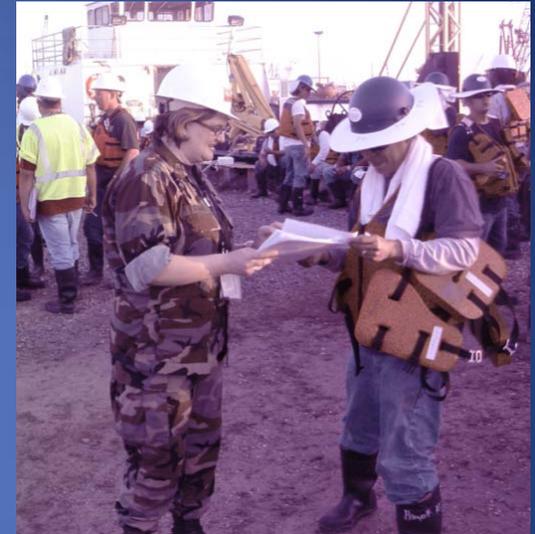


NIOSH Activities

- Rostering
- Health Hazard Evaluations (HHEs)
- Technical Guidance and Communication
- Health Surveillance
- Toxicity Testing

NIOSH Activities

- Rostering
 - Rostered over 52,000 response workers
 - Staging areas and training sites
 - Paper-based and web-based
 - BP employees, contractors, federal and state employees, volunteers



Rostering Workers
in LA

Deep Water Horizon Response Worker Roster Effort



Paper & Electronic Records As of 8-17-10

Total Collected: 52,253

Targeted Workers

BP Staff

BP Contractors

Volunteers

Federal

State & Local

Percentage

Male 81%

Female 19%

Asian 2%

Hispanic 9%

Black 38%

All Others 52%

NIOSH HEALTH HAZARD EVALUATIONS

Evaluated workers at the Source



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In-Situ Burns

Dispersant Use



Containment Boom



Decontamination of Vessels



Health Hazard Evaluations: Six Work Categories

On Shore Evaluations:

- Beach clean-Up
- Wildlife rehabilitation
- Equipment decontamination and waste stream management

Off Shore Evaluations:

- Source Control
- In-situ burns
- Booming, skimming, dispersant operations



HHE staff at
source control

Health Hazard Evaluations

- **Additionally, Psychological Stress/Work Organization Focus Groups Conducted**
Two focus groups held with Safety Officers before tropical storm evacuation

Note: HHE Interim reports #1 through #4 available on NIOSH website; remainder of reports forthcoming

NIOSH and OSHA Collaboration

Interim Guidance for Protecting Deepwater Horizon Response Workers and Volunteers

National Institute for Occupational Safety and Health, Centers for Disease Control and Prevention, U.S. Department of Health and Human Services and
Occupational Safety and Health Administration, U.S. Department of Labor

June 25, 2010

For more information on general disaster response, consult the NIOSH Emergency Response Topic Page at <http://www.cdc.gov/niosh/topics/emergency.html>

DEEPWATER HORIZON RESPONSE

Gulf of Mexico Oil Cleanup

Recent NIOSH Webpage Updates:

- [NIOSH Report of Deepwater Horizon Response/Unified Area Command Illness and Injury Data](#) **Updated August 13**
- [NIOSH Ongoing Health Hazard Evaluation: Deepwater Horizon Response](#) **Updated August 13**
- [NIOSH Voluntary Roster of Deepwater Horizon Response Workers](#) **Updated August 12**

Health Surveillance

- **Working across data sources**
BP/UAC health data, State surveillance data, Poison Control Centers, BioSense
- **BP injury and illness data analysis**
Currently on update #4 (posted on NIOSH website)
- **Working with HHS/ASPR on Medic Log data**
- **Health Symptom Surveys from HHEs**

Toxicity Testing

- **Acute animal testing (rats) to be conducted on:**
 - Dispersant (Nalco Corexit 9500A)
 - Crude Oil from the source (sample from well head obtained May 23rd)
 - Dispersant/crude oil mixture
- **Inhalation studies**
 - Measuring pulmonary, cardiovascular, and CNS endpoints
- **Dermal studies**
 - Assessing hypersensitivity and immune-mediated responses



Questions?