



BIBLIOTECA ELECTRÓNICA
de
GEMINIS PAPELES DE SALUD

<http://www.herbogeminis.com>

CDC Home (<http://www.cdc.gov/niosh/topics/oilspillresponse/>)

DEEPWATER HORIZON RESPONSE

Gulf of Mexico Oil Cleanup

Updates

- 1) - [Voluntary Roster of Deepwater Horizon Response Workers](http://www.cdc.gov/niosh/topics/oilspillresponse/workerroster.html)
(<http://www.cdc.gov/niosh/topics/oilspillresponse/workerroster.html>)

Updated October 14:

DEEPWATER HORIZON RESPONSE

NIOSH Voluntary Roster of Deepwater Horizon Response Workers



Photo credit: Aaron Sussell, NIOSH

NIOSH is developing a voluntary roster of response workers to create a record of those who have participated in cleanup activities and a mechanism to contact them about possible work-related symptoms of illness or injury, as needed. The Unified Command and BP support the roster and the goal of identifying all workers, including volunteers, involved in all response/cleanup activities. Workers have the opportunity to be rostered during training and at established staging areas (locations to which trained workers report for duty each day) in Louisiana, Mississippi, Alabama, and Florida. NIOSH also is rostering response workers online through a secure web site. NIOSH has provided the secure link to multiple federal agencies and BP, and has asked them to refer workers to the web site to complete the rostering form electronically.

The number of workers that have been rostered as of 10/14/10 are as follows:

Staging	Training	Total
16,206	39,306	55,512

- NIOSH Deepwater Horizon Data Use and Disclosure
(<http://www.cdc.gov/niosh/topics/oilspillresponse/pdfs/NIOSH-Disclosure-English-051110.pdf>)
- NIOSH Deepwater Horizon Initial Roster Form
(<http://www.cdc.gov/niosh/topics/oilspillresponse/pdfs/NIOSH-Roster-Form-English-051210.pdf>)
- Letter of Support from the Unified Command and BP for the NIOSH Worker Roster
(<http://ia600105.us.archive.org/8/items/GulfSpillRosterSupport/RosterUcBpSupport.pdf>)
- Procedure for Recruiting Volunteers for Investigative Studies from the NIOSH Deepwater Horizon Roster
(<http://www.cdc.gov/niosh/topics/oilspillresponse/recruiting.html>)
- II) - NIOSH Ongoing Health Hazard Evaluation: Deepwater Horizon Response
(<http://www.cdc.gov/niosh/topics/oilspillresponse/gulfspillhhe.html>)
Updated September 15

On This Page

- 1 NIOSH Efforts to Protect Oil Cleanup Workers
- 2 NIOSH/OSHA Deepwater Horizon Guidance
- 3 NIOSH Guidance
- 4 Other NIOSH Resources
- 5 Hazard Information
- 6 Other Government Resources
- 7 Selected Publications

1 NIOSH Efforts to Protect Oil Cleanup Workers

NIOSH is protecting oil cleanup workers with the following ongoing efforts:

- Partnering with the Occupational Safety and Health Administration (OSHA) and National Institute of Environmental Health Sciences (NIEHS) to provide other federal and state partners, BP, and workers with guidance and educational materials

(<http://www.cdc.gov/niosh/topics/oilspillresponse/#key>) for protecting response workers.

· Conducting health hazard evaluations (<http://www.cdc.gov/niosh/topics/oilspillresponse/gulfspillhhe.html>) and surveillance of reported illnesses among workers involved in the Gulf response.

· Developing a voluntary roster of workers (<http://www.cdc.gov/niosh/topics/oilspillresponse/workerroster.html>) to obtain a record of those who have participated and a mechanism to contact them about possible work-related symptoms of illness or injury, as needed.

· Analyzing injury and illness data (<http://www.cdc.gov/niosh/topics/oilspillresponse/data.html>) provided to NIOSH by BP safety officials to increase awareness of the risks associated with Gulf oil response work.

2 NIOSH/OSHA Deepwater Horizon Guidance for Workers

NIOSH/OSHA Interim Guidance (Entire Document):

http://www.herbogeminis.com/IMG/pdf/deepwaterhorizon_niosh_osh.pdf

Symptoms of Exposure

Heat Stress

Fatigue

Stress

Respiratory Protection

RESOURCES

3 NIOSH GUIDANCE

- Chemical Exposure Assessment Considerations for Use in Evaluating Deepwater Horizon Response Workers and Volunteers

- Health Hazard Evaluation of Deepwater Horizon Response Workers: Interim Reports

- Managing Traumatic Incident Stress for Deepwater Horizon Response and Volunteer Workers

- Medical Pre-Placement Evaluation of Deepwater Horizon Response Workers

- Medical Pre-Placement Evaluation Indicators for Health Professionals
- NIOSH/OSHA Interim Guidance for Protecting Deepwater Horizon Response Workers and Volunteers
- Protecting Workers and Volunteers Responding On-Shore to Hurricanes from the Gulf of Mexico
- Reducing Occupational Exposures while Working with Dispersants During the Gulf Oil Spill Response

4 OTHER NIOSH RESOURCES

- Health Hazard Evaluation Report on the Exxon/Valdez Alaska Oil Spill
- NIOSH Presentation at the Institute of Medicine Gulf of Mexico Oil Spill Workshop: Response of the Federal Government to Health Issues
- NIOSH Interim Respiratory Protection Recommendations for Deepwater Horizon Response Workers
- Potential Hazards to Deepwater Horizon Response Workers
- Science Blog: NIOSH's Role in the Deepwater Horizon Response
- Tips for Deepwater Horizon Workers

5 HAZARD INFORMATION

All hazards

- NIOSH/OSHA Interim Guidance for Protecting Deepwater Horizon Response Workers and Volunteers
- NIEHS Training Tool: Safety Awareness for Oil Spill Cleanup Workers
- NIOSH Potential Hazards Summary Table

Benzene

- NIOSH Benzene Topic page

Chemical dispersants

- NIOSH: Reducing Occupational Exposures while Working with Dispersants During the Gulf Oil Spill Response
- NIOSH/OSHA Interim Guidance: Chemical Dispersants

Chemical hazards

- NIOSH Chemical Exposure Assessment Considerations for Use in Evaluating Deepwater Horizon Response Workers and Volunteers

- Chemical Hazards (for Emergency Responders)

Fatigue

- NIOSH/OSHA Interim Guidance: Fatigue Prevention

- National Response Team Guidance for Managing Worker Fatigue During Disaster Operations

Fuel oils

- CDC/ATSDR ToxFAQs: Fuel Oils

- CDC/ATSDR Toxicological Profile: Fuel Oils

Heat stress

- NIOSH/OSHA Interim Guidance: Heat Stress

- NIOSH Fast Facts Card: Protecting Yourself from Heat Stress

Hurricanes

- NIOSH: Protecting Workers and Volunteers Responding On-Shore to Hurricanes from the Gulf of Mexico

- NIEHS Hurricane Resources

Mosquitoes

- NIOSH Fast Facts Card: Protecting Yourself from Ticks and Mosquitoes

- NIOSH Brochure: Recommendations for Protecting Outdoor Workers from West Nile Virus Exposure

Poisonous plants

- NIOSH Fast Facts Card: Protecting Yourself from Poisonous Plants

Respiratory protection

- NIOSH/OSHA Interim Guidance: Respiratory Protection

- NIOSH Respirator Recommendations Summary Table

- NIOSH Respirator Trusted-Source Information Page

- NIOSH Respirator Page

Snakes

- NIOSH Snakes Topic Page

Stinging insects

- NIOSH Fast Facts Card: Protecting Yourself from Stinging Insects

Stress

- Managing Traumatic Incident Stress for Deepwater Horizon Response and Volunteer Workers
- SAMHSA Mental Awareness in Times of Emotional Distress

Sun exposure

- NIOSH Fast Facts Card: Protecting Yourself from Sun Exposure

6 OTHER GOVERNMENT RESOURCES

- HHS Safety and Training of Oil Spill Response Workers and Volunteers
- CDC 2010 Gulf of Mexico Oil Spill
- U.S. Government Restore the Gulf

-- More --

7 SELECTED PUBLICATIONS

Selected studies on the human health effects of oil spills:

Selected Studies on the Human Health Effects of Oil Spills

Aguilera F, Mendez J, Pasaro E, Laffon B [2010]. Review on the effects of exposure to spilled oils on human health. *J Appl Toxicol* 30(4):291-301.

<http://www.ncbi.nlm.nih.gov/pubmed/20499335>

Bosch X [2003]. Exposure to oil spill has detrimental effect on clean-up workers' health. *Lancet* 361(9352):147. <http://www.ncbi.nlm.nih.gov/pubmed/12531588>

Campbell D, Cox D, Crum J, Foster K, Christie P, Brewster D [1993]. Initial effects of the grounding of the tanker Braer on health in Shetland. The Shetland Health Study Group. *BMJ* 307(6914):1251-1255. <http://www.ncbi.nlm.nih.gov/pubmed/8281057>

Campbell D, Cox D, Crum J, Foster K, Riley A [1994]. Later effects of grounding of tanker Braer on health in Shetland. *BMJ* 309(6957):773-774.

<http://www.ncbi.nlm.nih.gov/pubmed/7950562>

Carrasco JM, Lope V, Perez-Gomez B, Aragonés N, Suarez B, Lopez-Abente G, Rodriguez-Artalejo F, Pollan M [2006]. Association between health information, use of protective devices and occurrence of acute health problems in the Prestige oil spill clean-up in Asturias and Cantabria (Spain): a cross-sectional study. *BMC Public Health* 6:1. <http://www.ncbi.nlm.nih.gov/sites/pubmed/16390547>

Gorman RW, Berardinelli SP, Bender TR [1991]. Exxon/Valdez Alaska oil spill. HETA 89-200 and 89-273-2111. Cincinnati: Hazard Evaluation and Technical Assistance Branch, NIOSH, US Department of Health and Human Services.

<http://www.cdc.gov/niosh/hhe/reports/pdfs/1989-0200-2111.pdf>

Ha M, Lee WJ, Lee S, Cheong HK [2008]. [A literature review on health effects of exposure to oil spill]. *J Prev Med Public Health* 41(5):345-354.

<http://www.ncbi.nlm.nih.gov/pubmed/18827503>

Janjua NZ, Kasi PM, Nawaz H, Farooqui SZ, Khuwaja UB, Najam ul H, Jafri SN, Lutfi SA, Kadir MM, Sathiakumar N [2006]. Acute health effects of the Tasman Spirit oil spill on residents of Karachi, Pakistan. *BMC Public Health* 6:84.

<http://www.ncbi.nlm.nih.gov/pubmed/16584541>

Laffon B, Fraga-Iriso R, Perez-Cadahia B, Mendez J [2006]. Genotoxicity associated to exposure to Prestige oil during autopsies and cleaning of oil-contaminated birds. *Food Chem Toxicol* 44(10):1714-1723. <http://www.ncbi.nlm.nih.gov/pubmed/16814914>

Lee CH, Kang YA, Chang KJ, Kim CH, Hur JI, Kim JY, Lee JK [2010a]. [Acute health effects of the hebei oil spill on the residents of taean, Korea]. J Prev Med Public Health 43(2):166-173. <http://www.ncbi.nlm.nih.gov/pubmed/20383050>

Lee J, Kim MH, Ha M, Chung BC [2010b]. Urinary metabolic profiling of volatile organic compounds in acute exposed volunteers after an oil spill in Republic of Korea. Biomed Chromatogr 24(5):562-568. <http://www.ncbi.nlm.nih.gov/sites/pubmed/19795363>

Lee SM, Ha M, Kim EJ, Jeong WC, Hur J, Park SG, Kwon H, Hong YC, Ha EH, Lee JS, Chung BC, Lee J, Im H, Choi Y, Cho YM, Cheong HK [2009]. [The effects of wearing protective devices among residents and volunteers participating in the cleanup of the Hebei Spirit oil spill]. J Prev Med Public Health 42(2):89-95. <http://www.ncbi.nlm.nih.gov/pubmed/19349737>

Lyons RA, Temple JM, Evans D, Fone DL, Palmer SR [1999]. Acute health effects of the Sea Empress oil spill. J Epidemiol Community Health 53(5):306-310. <http://www.ncbi.nlm.nih.gov/pubmed/10396538>

Meo SA, Al-Drees AM, Meo IM, Al-Saadi MM, Azeem MA [2008]. Lung function in subjects exposed to crude oil spill into sea water. Mar Pollut Bull 56(1):88-94. <http://www.ncbi.nlm.nih.gov/pubmed/18031764>

Meo SA, Al-Drees AM, Rasheed S, Meo IM, Al-Saadi MM, Ghani HA, Alkandari JR [2009a]. Health complaints among subjects involved in oil cleanup operations during oil spillage from a Greek tanker "Tasman Spirit". Int J Occup Med Environ Health 22(2):143-148. <http://www.ncbi.nlm.nih.gov/sites/pubmed/19546094>

Meo SA, Al-Drees AM, Rasheed S, Meo IM, Khan MM, Al-Saadi MM, Alkandari JR [2009b]. Effect of duration of exposure to polluted air environment on lung function in subjects exposed to crude oil spill into sea water. Int J Occup Med Environ Health 22(1):35-41. <http://www.ncbi.nlm.nih.gov/pubmed/19351614>

Morita A, Kusaka Y, Deguchi Y, Moriuchi A, Nakanaga Y, Iki M, Miyazaki S, Kawahara K [1999]. Acute health problems among the people engaged in the cleanup of the Nakhodka oil spill. Environmental Research 81(3):185-194. <http://www.ncbi.nlm.nih.gov/sites/pubmed/10585014>

Palinkas LA, Russell J, Downs MA, Petterson JS [1992]. Ethnic differences in stress, coping, and depressive symptoms after the Exxon Valdez oil spill. J Nerv Ment Dis. 180(5):287-295. <http://www.ncbi.nlm.nih.gov/pubmed/1583472>

Palinkas LA, Petterson JS, Russell JC, Downs MA [2004]. Ethnic differences in symptoms of post-traumatic stress after the Exxon Valdez oil spill. *Prehosp Disaster Med* 19(1):102-112. <http://www.ncbi.nlm.nih.gov/pubmed/15453167>

Pandey SK, Kim KH, Yim UH, Jung MC, Kang CH [2009]. Airborne mercury pollution from a large oil spill accident on the west coast of Korea. *J Hazard Mater* 164(1):380-384. <http://www.ncbi.nlm.nih.gov/sites/pubmed/18774643>

Perez-Cadahia B, Laffon B, Pasaro E, Mendez J [2006]. Genetic damage induced by accidental environmental pollutants. *The Scientific World Journal* 6:1221-1237. <http://www.ncbi.nlm.nih.gov/pubmed/17013527>

Perez-Cadahia B, Laffon B, Porta M, Lafuente A, Cabaleiro T, Lopez T, Caride A, Pumarega J, Romero A, Pasaro E, Mendez J [2008a]. Relationship between blood concentrations of heavy metals and cytogenetic and endocrine parameters among subjects involved in cleaning coastal areas affected by the 'Prestige' tanker oil spill. *Chemosphere* 71(3):447-455. <http://www.ncbi.nlm.nih.gov/pubmed/18221981>

Perez-Cadahia B, Laffon B, Valdiglesias V, Pasaro E, Mendez J [2008b]. Cytogenetic effects induced by Prestige oil on human populations: the role of polymorphisms in genes involved in metabolism and DNA repair. *Mutat Res* 653(1-2):117-123. <http://www.ncbi.nlm.nih.gov/pubmed/18495522>

Perez-Cadahia B, Lafuente A, Cabaleiro T, Pasaro E, Mendez J, Laffon B [2007]. Initial study on the effects of Prestige oil on human health. *Environ Int* 33(2):176-185. <http://www.ncbi.nlm.nih.gov/pubmed/17055056>

Perez-Cadahia B, Mendez J, Pasaro E, Lafuente A., Cabaleiro T, Laffon B [2008]. Biomonitoring of human exposure to Prestige Oil: Effects on DNA and endocrine parameters. *Environmental Health Insights* 2:83-92. <http://en.scientificcommons.org/38234469>

Rodriguez-Trigo G, Zock JP, Monteso II [2007]. Health effects of exposure to oil spills. *Archivos De Bronconeumologia* 43(11):628-635. <http://www.ncbi.nlm.nih.gov/pubmed/17983548>

Schvoerer C, Gourier-Frery C, Ledrans M, Germonneau P, Derrien J, Prat M, et al [2000]. Etude épidémiologique des troubles de santé survenus à court terme chez les personnes ayant participé au nettoyage des sites pollués par le fioul de l'Erika. http://www.invs.sante.fr/publications/erika3/rapmaree_dist.pdf

Song M, Hong YC, Cheong HK, Ha M, Kwon H, Ha EH, Choi Y, Jeong WC, Hur J, Lee SM, Kim EJ [2009]. [Psychological health in residents participating in clean-up works of Hebei Spirit oil spill]. *J Prev Med Public Health* 42(2):82-88. <http://www.ncbi.nlm.nih.gov/pubmed/19349736>

Suarez B, Lope V, Perez-Gomez B, Aragonés N, Rodríguez-Artalejo F, Marques F, Guzman A, Vilorio LJ, Carrasco JM, Martín-Moreno JM, López-Abente G, Pollán M [2005]. Acute health problems among subjects involved in the cleanup operation following the Prestige oil spill in Asturias and Cantabria (Spain). *Environ Res* 99(3):413-424. <http://www.ncbi.nlm.nih.gov/pubmed/16307984>

Zock JP, Rodríguez-Trigo G, Pozo-Rodríguez F, Barbera JA, Bouso L, Torralba Y, Anto JM, Gómez FP, Fuster C, Vereá H, Grp S-PS [2007]. Prolonged respiratory symptoms in clean-up workers of the Prestige oil spill. *American Journal of Respiratory and Critical Care Medicine* 176(6):610-616. <http://www.ncbi.nlm.nih.gov/sites/pubmed/17556713>