



Deepwater Horizon: Unified Command's Delivery of Response Worker Health and Safety Training

NIEHS Workshop – May 4, 2011

Safety Training Needs Assessment



- Performed by BP, OSHA, USCG, and NIEHS
- Identified the key potential hazards, including the properties of the oil to be encountered at various locations onshore and offshore
- Defined the various tasks to be performed by workers
- Identified key information that must be included in the modules
- Identified the hierarchy of training modules
- Identified the need to provide training certification documentation

Safety Training Content & Sources



- The oil spill response and HAZWOPER training modules contained information on:
 - Potential hazards in the workplace
 - Heat stress
 - Appropriate clothing and personal protective equipment (PPE)
 - Working with weathered oil
 - Working around water
 - Vessel protocol (for those working on the water)
 - The workers' role in safety
 - Additional relevant topics
- Information for Training Modules 1-4, developed specifically for this response, was provided by Texas Engineering Extension Service (TEEX), OSHA, NIEHS, USCG, NIOSH and BP
- NIEHS/OSHA BROCHURES on the same topics were also made available at the work sites



Oil Spill Cleanup Initiative

Safety and Health Awareness for Oil Spill Cleanup Workers



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
National Institutes of Health



Occupational
Safety and Health
Administration



Iniciativa de Limpieza del Derrame de Petróleo

Seguridad y Concienciación de Salud para Trabajadores de Limpieza de Derrames de Petróleo



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
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Training Modules



- **Beach Cleanup Volunteers** (pre-oil) - 45 min. overview onsite (Module 1)
- **Beach Cleanup Workers (post-oil):**
 - 4 hour classroom (Module 3S*)
 - Daily safety talks
- **Vessels of Opportunity Captains and Crews:**
 - 4 hour classroom (Module 3M*)
 - 4 hour classroom (Module 4 - where appropriate),
 - Dockside operations training,
 - Daily safety talks



**Post-Emergency Spilled Oil Response Training*

Training Modules



- **Wildlife Paraprofessionals:**
 - 4 hour computer based training module (Module 3*), or classroom (Module 3S*)
 - Daily safety talks
- **Source control, decontamination workers, at least one crew member on a Vessel of Opportunity (VOO) that would be working in oil:**
 - 24 or 40 hour HAZWOPER
 - 1 hour onsite briefing (Module 2)
 - Daily safety talks



*Post-emergency spilled oil response training



Training Program Coordination

- Overall program coordination was led by **BP staff**, with support and overview by **OSHA, USCG, NIEHS**
- Training delivery was coordinated by:
 - **PEC Premier:**
 - Shoreline workers for LA, MS, AL, FL
 - **O'Briens & PEC Premier:**
 - Vessels of Opportunity (LA) and,
 - **Parsons & Safety Plus:**
 - Vessels of Opportunity (MS, AL, FL))
 - **Safety Officers/Advisors**
 - All sites

Training Administration



- PEC Premier set up an overall system to:
 - **Track attendance** at courses
 - Provide a “**yellow card**” as proof of training
 - Establish a **database** for the retention of student information
 - Provide weekly **metrics** on course attendance
 - Send and receive training confirmation **materials** to instructors and sites as needed

Non-English Speaking Training Delivery



- All modules were translated into Spanish and Vietnamese
- Vietnamese instructors and/or translators were made available to VOO training sessions and phone lines
 - Specific Vietnamese courses were set up separately whenever possible
- Spanish speaking instructors made available for Module 2 and 3S sessions where needed
- Contract companies provided dual language supervisors who helped translate for their crews when needed

Continuous Improvement



- Feedback from agencies, trainers, attendees and evaluators was used to enhance training delivery
- Daily discussions with OSHA representatives enabled real-time feedback to be given regarding training needs
- PEC, Safety Plus and other training providers made the training fit-for-purpose for the group being trained





- BACKUP

Federal Agency Impact



- Provided initial training needs assessment
- Provided, critiqued and approved course content
- Evaluated course delivery
- Provided course effectiveness feedback, from the field
- Defined required updates to course content (OSHA)