

**1610: Major Philip E. Goff, USAF**

**Chemical and Physical Exposures Among AC-130 Spectre Gunship and MC-130 Talon Aircrew Supporting Operation Iraqi Freedom**

The AC-130 Spectre gunship is outfitted with several small- and large-bore weapons which fire at a high rate while the plane flies at low level conducting ground support operations. The plane is essentially a flying tank; aircrew manually change shells and are potentially exposed to gun emissions and a variety of physical hazards. The MC-130 Talon flies at low-level and conducts many stop-and-go missions during its sorties, leaving the rear cargo door open while its turboprop engines run. This presentation will summarize an assessment of chemical and physical hazard evaluations of aircrew and propose a roadmap for future evaluations

**1645: LCDR Laura Weems, USCG**

**Coast Guard's Response to Hurricanes Katrina and Rita**

The Chief of the Prevention Department for U.S. Coast Guard Sector Baltimore will discuss the Coast Guard's response to Hurricanes Katrina and Rita, focusing on the role of Coast Guard Safety & Environmental Health professionals. The presentation will include an overview of Coast Guard activities and discuss the many challenges faced, the lessons that were learned, and some possible ways to improve worker safety and health in future disaster scenarios.

**1705-1800**

**Closing Remarks, Ms. Donna Doganiero, DoD IHWG  
DOEHRS-IH Demo**

**The forum presentations will be available at [www.dodforums.org](http://www.dodforums.org)**


A large, stylized graphic of the number '7' followed by 'th'. The '7' is light blue with a dark blue outline, and the 'th' is in a dark blue, cursive font.

# 7<sup>th</sup> Seventh Annual DoD Industrial Hygiene Forum

**Hyatt Regency McCormick Place  
Regency AB & C  
Chicago, Illinois  
16 May 2006**

## **DoD IHWG Mission**

Serves as DoD's technical advisor for all aspects of industrial hygiene; provides recommendations for implementation, staffing, and execution of the functional process improvements for business practices and information managing of DoD Industrial Hygiene Programs; partners with other Governmental agencies when developing recommendations for procedures and practices regarding program evaluation, preferred methods of industrial hygiene surveillance, hazard abatement, and information management; strives to integrate industrial hygiene into other environmental, safety, and occupational health programs to ensure conformance with current scientific knowledge, professional practices, and OSHA standards; and proposes, when necessary, alternate and supplemental standards for industrial hygiene surveillance.

A stylized, light blue illustration of the Chicago skyline, featuring several prominent skyscrapers.

This Forum is an ancillary function of the AIHce.

**0900-1300: Regency C**  
**DOEHRS-IH Demo: Stop by anytime for a "hands-on" experience.**

**1315-1800: Regency AB**  
**DoD IH Forum: See agenda with abstracts below.**

**1315: Lt Col Tim Mukoda, USAF**  
**Welcome**

**1320: Mr. Alex Beehler, Assistant Deputy Under Secretary of Defense for Environment, Safety and Occupational Health**  
**Keynote**

**1335: Capt Leilani Bush, USAF**  
**Digging in Baghdad – The Importance of EHSA**

This presentation will discuss the criticality of conducting environmental health site assessments (EHSA), routine occupational health surveillance, and illness/injury investigations for deployed warriors to prevent adverse health conditions, address future medical cases, and document deployed exposures IAW presidential and DoD mandates. A case in Baghdad, where a civil engineering technician deployed, and later developed a serious illness, will be used as an example to demonstrate the vital importance of the EHSA process. A subsequent risk assessment of a cable project at the same location will highlight a positive example of EHSA and relevance to day-to-day deployed operations.

**1400: MAJ Dennis Palalay, USA**  
**Support to Multi-National Corps – Iraq**

This presentation will explain the IH's role on the US Army Center for Health Promotion and Preventive Medicine's (CHPPM) Specialized Medical Augmentation Response Team – Preventive Medicine (SMART-PM) while deployed to Operation Iraqi Freedom. Topics will include (1) training the preventive medicine theater level assets in conducting environmental health site assessments (EHSAs), (2) coordinating CHPPM's Soldier Occupational Hazard Assessments (SOHA) for various weapon system platforms like the Stryker and the M1Abrams Main Battle Tanks, and (3) combining occupational exposure information from the SOHA with EHSA environmental exposure information to present a complete exposure overlay for Stryker operators. Challenges such as time constraints and force protection issues that may increase combat risks to soldier will also be addressed.

**1425: CDR Jerry A. Formisano, USN**  
**The Role of Industrial Hygiene in the Deployed Setting**

A need exists to identify and evaluate a range of stressors in the deployed military setting to provide risk management guidance to the war fighter. Proper and timely identification ensures the safety and health of military personnel. Staffing, equipment, and operations of the Navy Forward Deployed Preventive Medicine Unit (FDPMU) will be discussed. The use of cutting edge technologies by FDPMU Industrial Hygiene Officers in combat and humanitarian deployments will also be discussed.

**1450: Capt Ian Rybczynski, USAF**  
**HQ United States Air Forces in Europe (USAFE) CBRN Challenge**

The HQ United States Air Forces in Europe (USAFE) Command Surgeon sponsored a chemical, biological, nuclear and radiological challenge in September 2005. The presentation will describe how the challenge was conducted, briefly discuss lessons learned, and discuss future USAFE and AF-level challenges. The presentation will include a description of how the challenge incorporated the use of advanced CBRN detection equipment (portable GC-MS, radioisotope identification, etc.) as well as more traditional identification methods to perform a health risk assessment. The presentation will also emphasize how the challenge scenarios could apply both the in-garrison and deployed settings, using an all-hazards (full-spectrum threat response) approach.

**1515**  
**Break with Demos**

**1535: CDR Joselito Ignacio, USCG**  
**Homeland Response to Pandemic Influenza**

With the signing of the Presidential National Strategy on Pandemic Influenza, the federal executive branches have worked, and continue to work feverishly on an appropriate level of preparedness and response. As part of the Department of Homeland Security, the Workforce Assurance Working Group aims to provide effective health and safety protocols to our DHS workforce in preparation for, during, and after a Pandemic Influenza phase. Significant issues still require clarification such as the mandatory usage of Personal Protective Equipment and vaccine/anti-viral administration to the civilian DHS workforce, as well as the debate on the appropriateness of using a NIOSH N-95 respirator versus surgical/procedure masks. The goal is to provide effective health and safety procedures in order for mission critical personnel in DHS to continue to perform High Risk Operations, which may place them in harm's way of a viral infection. Homeland Security will continue to operate during a Pandemic Influenza period in order to ensure protection of the public, while also operating an economically vibrant market and commerce.