Emerging Occupational and Environmental Health Issues: Phase I Findings

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PURPOSE

• Identify and evaluate some of the key environmental and occupational health issues that may affect the Army’s ability to provide a ready force over the next 10 years.
PHASE I: METHOD

- Initial 22 issues
- Rank ordered top 10
- EOH Professionals
1. Military Unique Compounds

- Environmental health impacts of military-unique compounds, materials, and systems
- The Army Acquisition Pollution Prevention Program (A2P3)
- Health Hazard Assessment Program
2. OEH Policy: Sustainable Design and Force Protection

- OEH risks associated with Systems, Material, and Equipment
- As related to sustainable design and force protection
- HHA Risk Assessment Code (RAC)
3. Criteria/standards for EOH Risk and Exposure Assessments

- Process for developing EOH standards
- Toxicological databases
- Biomarkers of exposure and effect
- Future air standards based on allergic response
- Health hazard models
- Physiological simulations and decision aids.
- OCONUS field drinking water standards
4. Infectious Diseases

- Natural mutations
- Emergence and re-emergence
- AIDS
5. Homeland Security (HLS)

- Exposure scenarios
- Chemical, biological, radiological agents
6. Acquisition Process

- DOD acquisition process
- Avoid training restrictions that impact readiness.
- DOD 5000 series
  - less oversight of the acquisition process may lead to future oversights
7. Environmental Regulations

• Limit or restrict the use of certain military materials
8. Installation EH Programs

• Comprehensive installation environmental health programs
9. PM Risks of Insect Vectors

- What are the Preventive Medicine risks of insect vectors?
- How will the Army deal with them?
10. Drinking Water

• Drinking Water Issues:
  - Drinking Water Treatment in sub zero temperatures
  - Lack of quality water. Natural problems with supply and failing infrastructure.

• OCONUS field drinking water standards
CONCLUSION

• Develop programs to address issues
• Enforce current program charters and objectives
• Continue to monitor and track issues
PHASE II

- Description
- State of Science
- Analysis of Validity
- Recommendations for action
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