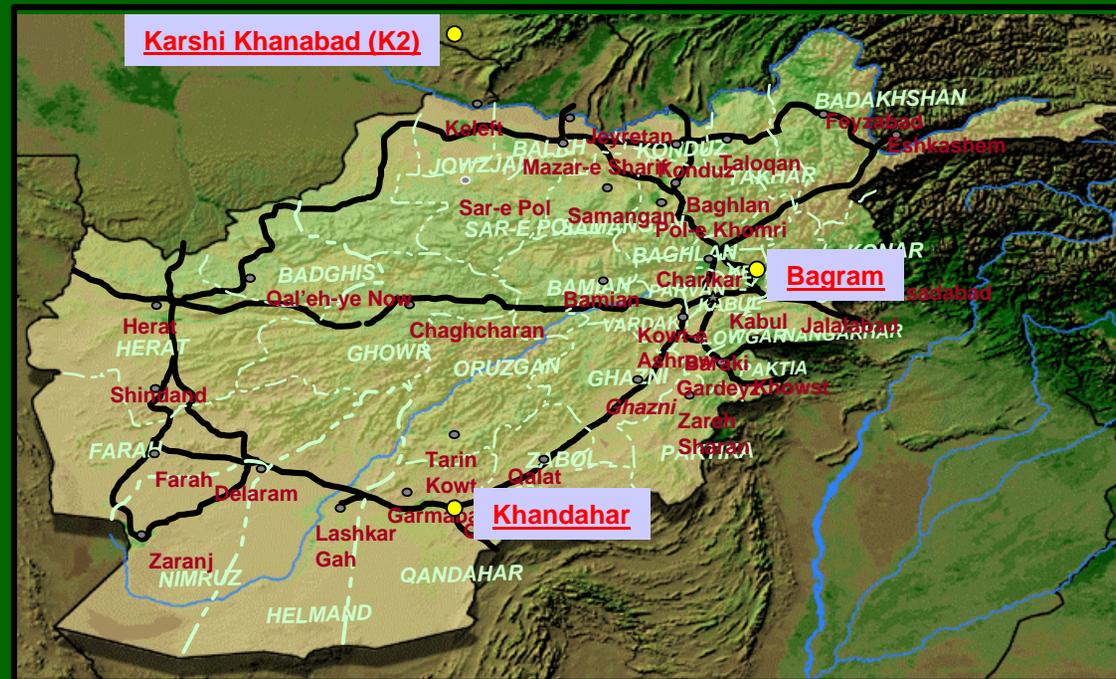




# Environmental Issues Associated with Deployed Operations in Afghanistan

Afghanistan 28 Oct – 11 Nov 2002





# Agenda

- Waste Stream Issues
- Environmental in Full Spectrum Operations
- Organizational Issues/Command Guidance
- Environmental Surveys
- Reach back
- Recommendations



# POL Procedures



Uzbekistan Fuel Farm



US Fuel Storage Site  
in Afghanistan



US Fuel Storage Site  
in Afghanistan



US Fueling Site in  
Afghanistan



US Fuel Storage Site  
in Karshi Khanabad



US Fuel Storage Site  
in Karshi Khanabad



# Waste POL and Satellite Accumulation Points



Waste POL Site in  
Afghanistan



Waste POL Site in  
Afghanistan



US Fuel Storage Site  
in Karshi Khanabad



Waste POL Site in  
Karshi Khanabad



Waste POL Mass Storage  
in Karshi Khanabad



HAZWASTE Mass Storage  
in Karshi Khanabad



# Land Fill Operations

- Temporary Land Fills Placed in Usable Space
- Permanent Land Fill Locations
- No Land Fill TTPs



Temporary  
Land Fill in  
Afghanistan



Permanent  
Land Fill in  
Afghanistan



Prescribed  
Land Fill  
Burning



# Wash Rack Operations

- Wash Rack Locations
- No Wash Rack TTPs



Wash Rack in  
Afghanistan



Wash Rack in  
Uzbekistan





# Other Issues

- Hazard Identification and marking procedures
- Gray Water Runoff
- Maintenance Procedures
- Standard Heater Fueling Operations



Off Limits Areas



Gray Water Drainage Sump



Maintenance Procedures



Heater Operations



## Other Issues (cont.)

- Dust Suppression
- Unknown Industrial Chemicals
- Battle field litter/mines/UXO



Bagram Dust  
Suppression



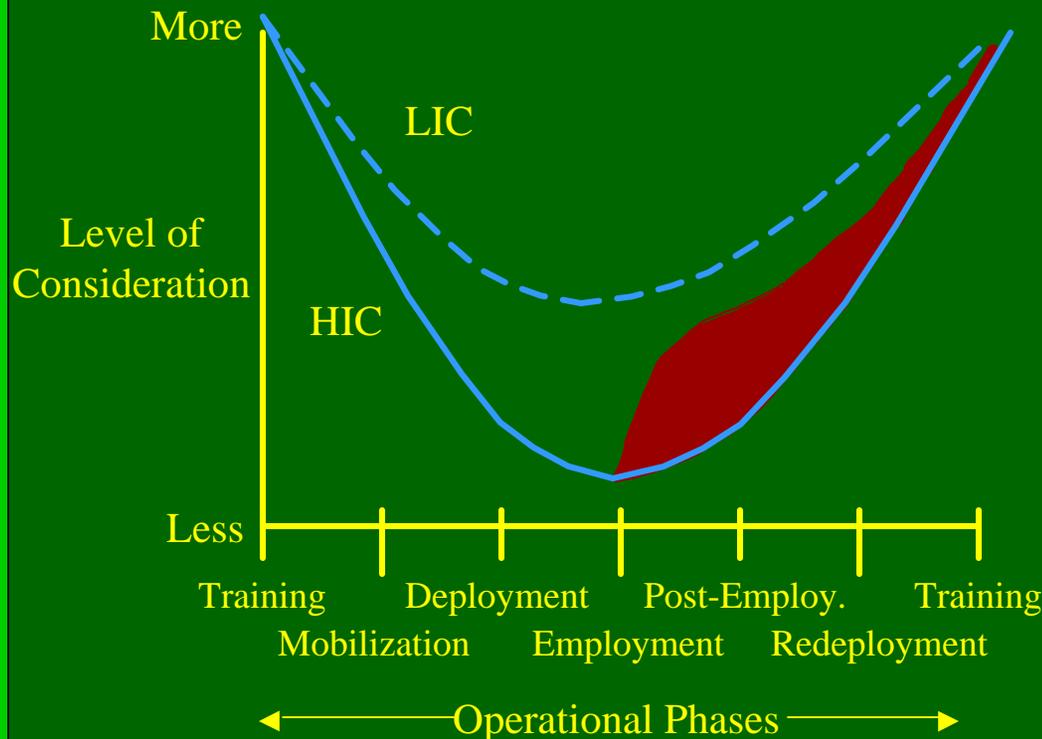
Unknown Industrial  
Chemicals



Bagram Battle Field  
litter/mined area



# Environmental in Full Spectrum Operations



FM 3-0 *Operations*, paragraph 1-49 states, "...As missions change from promoting peace to deterring war and from resolving conflict to war itself, the combinations of and transitions between these operations require skillful assessment, **planning, preparation, and execution.**"

Levels of Environmental Consideration



# Organizational Issues

- ARCENT-civilians and military
- CJTF-C7 staff officer-USAF CPT
- TF C7 staff representative?
- BASOPS FET-USA Engineer MAJ
- Unit Environmental Compliance Officers?



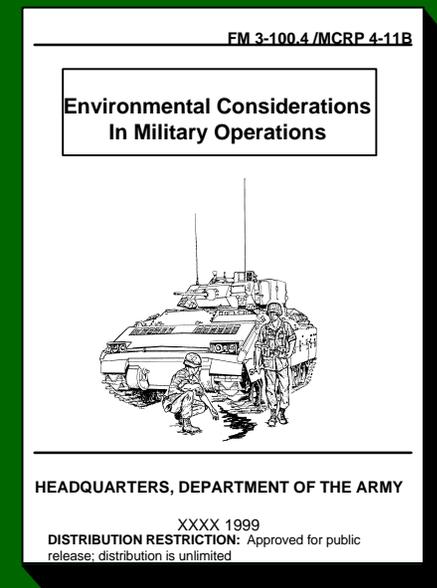
# Guidance Issues

- Annexes to the OPORD
- Pre-deployment
  - Equipment
  - Training
- Deployment
  - Adherence to Home Station Standards
  - Communication of all Guidance Documents



# Environmental Surveys

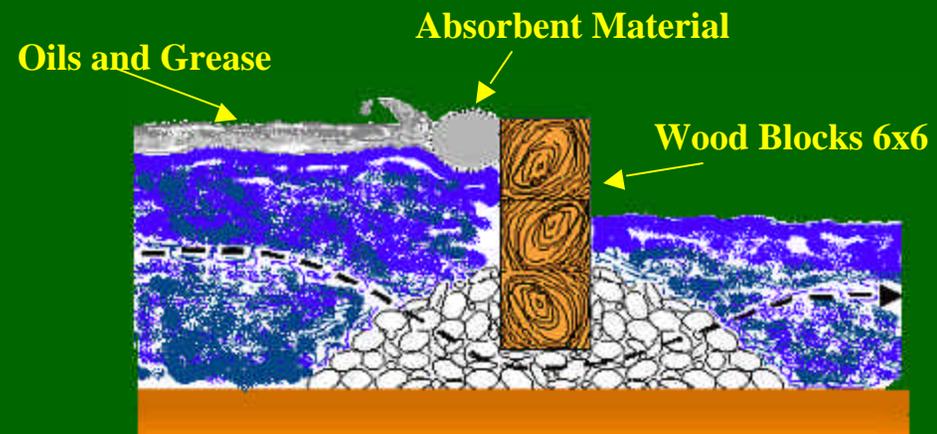
- Conducted Early in Operation
- More Comprehensive than FM 3-100.4
- CHPPM Surveys
- CHPPM Recommendations





# Reach Back

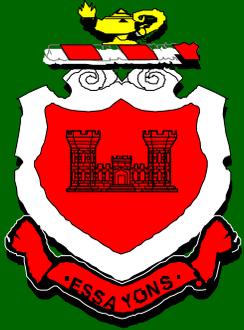
- Reach Back Identified as a Valuable Tool
- CJTF - C7 Used Air Force Center for Environmental Excellence (AFCEE)
- Information available-Field expedient oil water separator





# Recommended Actions

- Review Army/Joint Environmental Doctrine with recommended changes to UJTL and AUTL
- Identify TTP's for BASOPS issues
- Define Roles and Responsibilities
- Assist Installations to Develop Unit Pre-deployment Environmental Assistance Plans

The seal of the US Army Engineer School Environmental Integration program is a large, semi-circular emblem. It has a pink outer ring with the text 'Environmental Integration' at the top and 'US Army Engineer School' at the bottom. The center of the seal depicts a soldier in a green uniform and helmet, standing in a snowy, forested landscape. A bald eagle is flying in the sky above the soldier. The word 'Questions?' is written in a large, bold, black serif font across the center of the seal.

# Questions?