



# **Environmental Homeland Defense**

## **The Role of the Installation Military Environmental Professional in Homeland Security**

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# Environmental Homeland Defense

*Remember the good old days?*

CAA

EPCRA

FIFRA

CAAAA

FOIA

FWPCA

RCRA

CERCLA

NEPA

HMTA

SARA

SDWA

CWA

TSCA



# Environmental Homeland Defense

*Now it's:*

WMD

CBRRT

CBIRF

CM

CBRNE

MASCAL

DHS

ROM

JTF-CS

SHEDI

ASD(HS)

USNORTHCOM

OEF

ONE

FP/AT



# Environmental Homeland Defense

## The Problem

The attack is directed against...

using...

which are distributed by... so as to expose...

Water Systems  
Critical Buildings  
Field Testing Areas  
Deployment Locations  
Troop and Family Housing  
Transportation Vehicles  
Local Industrial Sites  
Emergency Response  
Food Distribution  
Emergency Care

Insects  
Radiological Agents  
Chemical Warfare Agents  
Toxic Industrial Chemicals  
Biological Agents

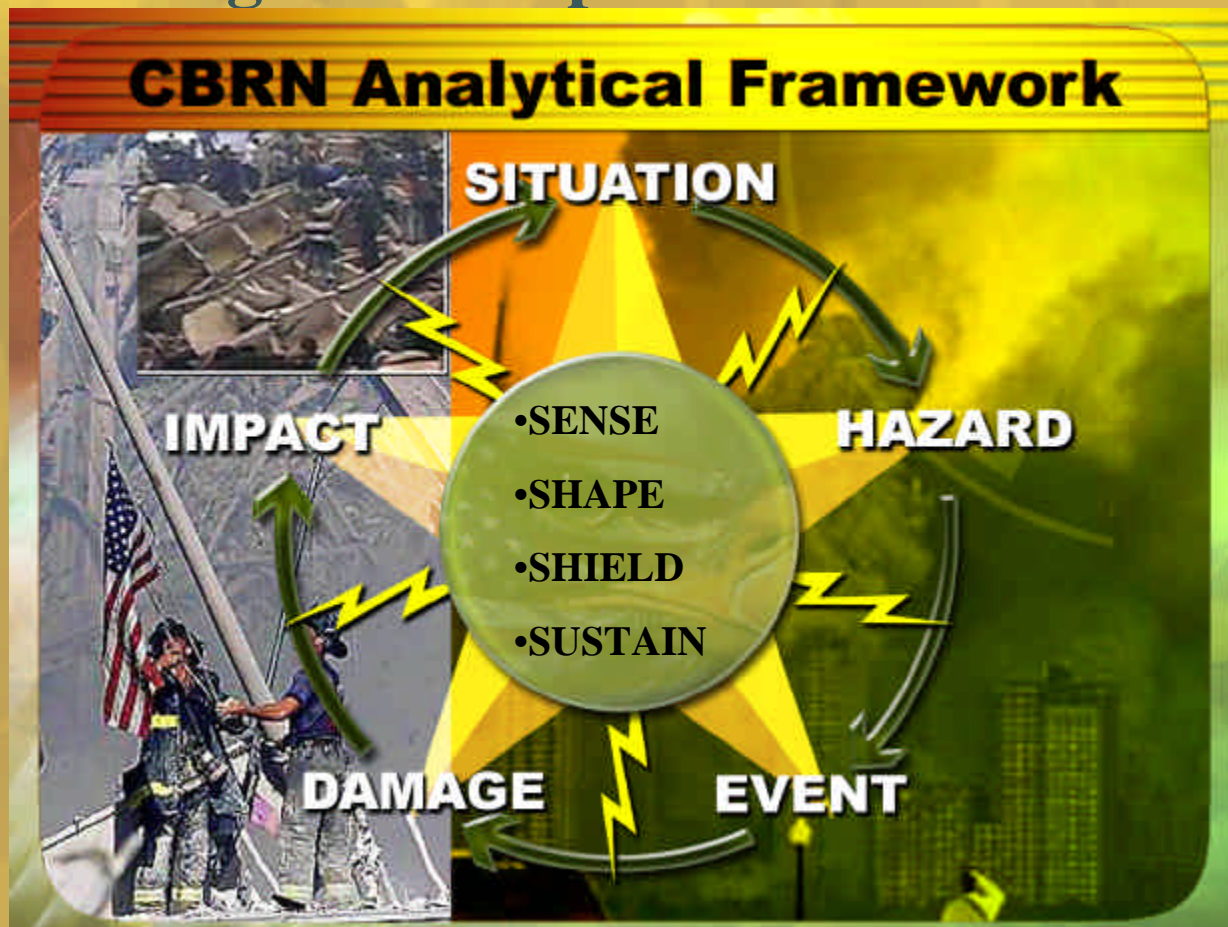
Open Air  
Food Distribution Systems  
Water Distribution Systems  
Building Air

Individuals



# Environmental Homeland Defense

How to Organize the problem So You Can Solve It





# Environmental Homeland Defense

## Once Organized How You Can Implement Answers

- **DODI 2000.1**
  - **Implements Policy**
  - **Assigns Responsibility**
  - **Prescribes Procedures (9 Guidelines)**



# Environmental Homeland Defense

- **Guideline #1 – Implementation and Oversight**
- **Guideline #2 – Management Responsibilities**
  - **Commanders designate Emergency Disaster Planning Officer**
  - **Create a CBRNE Emergency Response Working Group (ERWG)**
  - **ERWG presumably implements the remaining DODI Guidelines**



# Environmental Homeland Defense

- **Guideline #3 Functions:**

- **EOC**
- **Law enforcement/security**
- **EOD**
- **Mortuary affairs**
- **Hazmat**
  - **Atmospheric monitoring, environmental sampling, DECON**
- **Medical**
  - **Patient DECON, triage, treatment, quarantine, transport, psychological casualties, medical supplies, pharmaceuticals, vaccines, alternative treatment facilities, MASCAL, ROM**





# Environmental Homeland Defense

- **Guideline #4 Planning:**

- **CBRNE Emergency Response Plan**
  - Integrated into all installation AT exercises.
  - Identify mission critical infrastructure
  - Support to the infrastructure.
  - Reviewed yearly.

- **Guideline #5 Training and Exercises:**

- Fire and EMS to follow NFPA standards (472 and 473 are named)
- Health care use JCAHCO and Air Transport standards
- Annual CBRNE exercises focusing on identified vulnerability
  - Terrorism
  - Technological accident
  - Natural disasters
  - Installations encouraged to include State and local assets



# Environmental Homeland Defense

- **Guideline #6 Emergency Response Equipment**

- Heads of DOD components should prepare a list of equipment needs to include

- PPE, DECON, Medical materiel (“to include prophylaxis, therapeutic, and palliative pharmaceuticals, and equipment.”), Blast mitigation, Containment, Communication equipment

- **Guideline #7 Sustainment.**

- Installations work w/local community Emergency Response
- Emergency Response plan to include provisions for training
- Installations establish contact with State and FEMA to coordinate Emergency Response plans.



# Environmental Homeland Defense

- **Guideline #8 Assessments**

- Requirement to assess Emergency Response and functional plans
- Risk management principles must be used (Probability & Vulnerability)
- *Emergency response program revolves around the risk assessment and it is critical to the FP/AT program at the installation.*

- **Guideline #9 Interoperability**

- Installations should work to improve interoperability with local communities to include equipment and procedural (e.g., exercise and planning) interoperability.