



**Directorate of Environmental
Integration, U.S. Army Engineer School
COL Robert S. Kirsch**



ENVIRONMENTAL VISION

The Army will be a national leader in environmental and natural resource stewardship for present and future generations as an integral part of our mission.

- Give immediate priority to **sustained compliance** with all environmental laws
- Simultaneously continue to **restore previously contaminated sites** as quickly as funds permit
- Focus efforts on **pollution prevention** to reduce or eliminate pollution at the source
- **Conserve and preserve natural and cultural resources** so they will be available for present and future generations to use



US ARMY ENVIRONMENTAL MANAGEMENT GOAL

“Our goal is to actively promote mission readiness by continually upgrading environmental performance across Army Installations. We want to improve the way environmental management supports the Army’s mission.

Deputy Assistant Secretary of the Army
July 13, 2001



INTEGRATION STRATEGY

“An important part of The Army's Transformation is our continued emphasis on caring for the training lands that sustain and enable Army readiness.”

General Eric K. Shinseki
Chief of Staff, United States Army





THE ARMY ENVIRONMENTAL STRATEGY

Environmental Vision (Draft)

An Army culture in which decisions optimize availability of land and infrastructure and minimize impediments to readiness, environmental damage, and environmental risks to human health.

Environmental Mission (Draft)

Enhance combat readiness through early consideration and resolution of environmental impacts and consequences of Army decisions and actions.



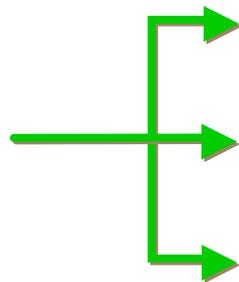
THE ARMY'S ENVIRONMENTAL PROGRAM IMPERATIVES

Support Readiness

Enhance the Well-Being of Army People

Enable/Undergo Transformation

*The Army
does this by...*



Protecting the land

Complying with the law

Being good stewards



USAES MISSION

USAES is the Proponent for the development and integration of environmental considerations into and across DOTMLPF.

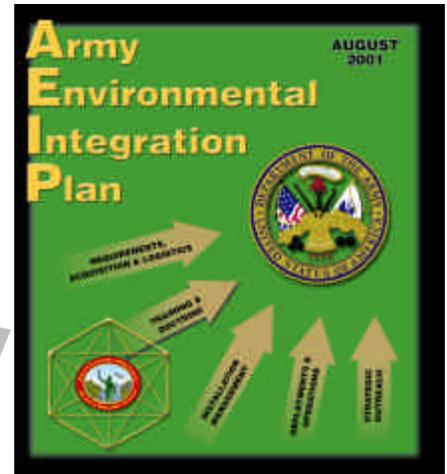


ENVIRONMENTAL DOTMLPF INTEGRATION STRATEGY

Nature of war unchanged
... Character & Conduct of
War is Changing

*An Integrated
Approach...*

- D** *ARMY TRANSFORMATION REQUIRES ENVIRONMENTAL STEWARDSHIP
- O** *MDMP/OPLAN/OPORDS/SOPs
- T** *TRAIN TO DEVELOP KNOWLEDGEABLE, RESPONSIBLE, & ACCOUNTABLE FORCE
- M** *P2, ACQUISITION/LOGISTICS, CDD
- L** *DEVELOP LEADERSHIP TRAINING MODULES --MILITARY & CIVILIAN
- P** *ENVIRONMENTAL ETHIC
- F** *SUPPORT FUNCTIONS



Just Cause



Endangered



Desert Storm



Provide Comfort



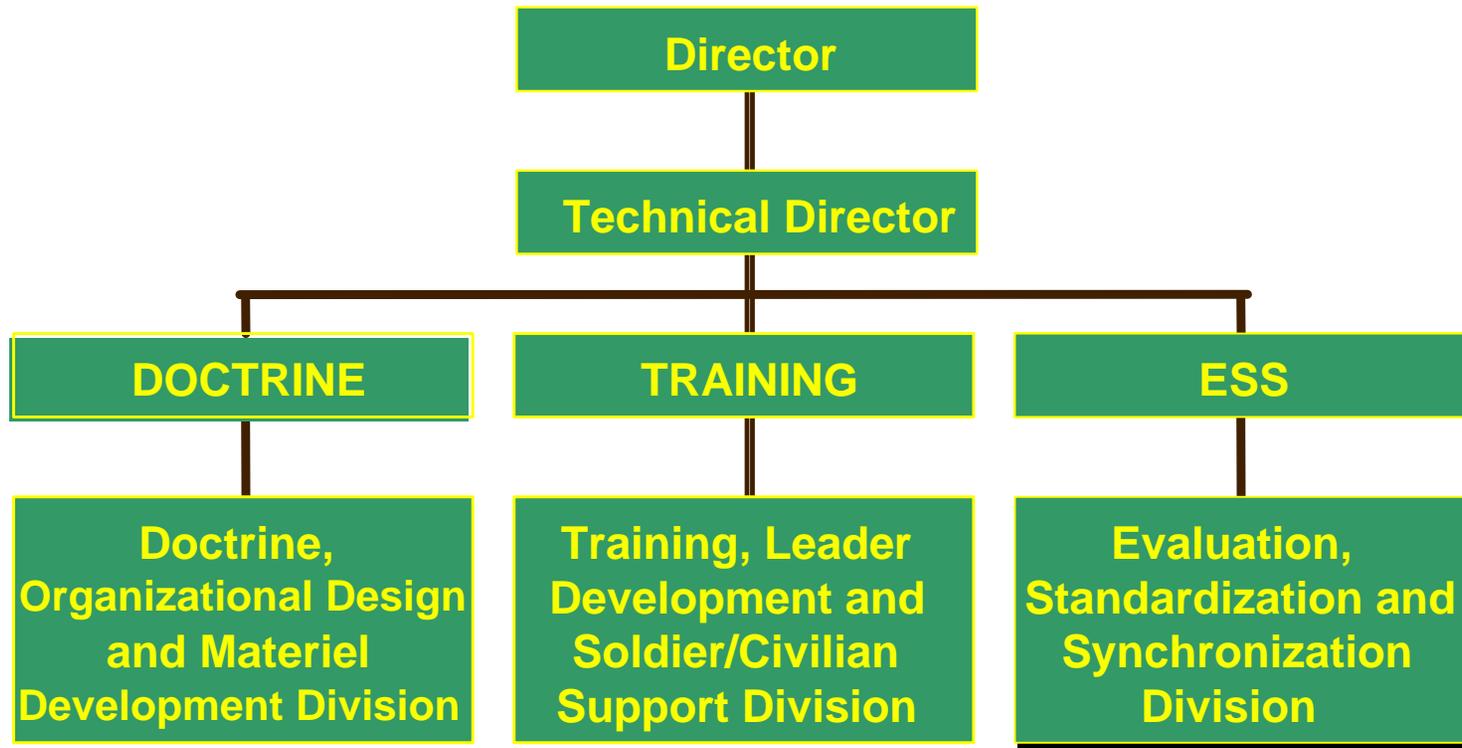
Allied Force



Protected



DEI ORGANIZATIONAL CHART





DOCTRINE DIVISION

- ✓ Doctrine development & integration
- ✓ Joint/Multiservice doctrine development/review
- ✓ Pollution prevention incorporation into the acquisition and development processes
- ✓ Organizational design
- ✓ Simulations

Doctrinal Goal

Incorporate *Environmental Considerations* and lessons learned into all appropriate Army and Joint doctrinal publications and references.

Organizational Design Goal

Design organizations with an optimal level of environmental expertise and skills to support operational requirements and comply with applicable laws and regulations.

Materiel Development Goal

Incorporate pollution prevention initiatives into the requirements determination and development process to maximize efficiency and minimize pollution throughout a system's life.



TRAINING DIVISION

- ✓ Military/Civilian environmental training development
- ✓ Leader and Senior leader training integration
- ✓ USAR and ARNG liaison
- ✓ Installation training support
- ✓ SAT – analysis, development and design functions

Training Development Goal

Train Military and Civilian personnel to perform environmental tasks in support of job performance.

Leadership and Education Goal

Develop military and civilian leaders who understand their environmental responsibilities and how to incorporate environmental considerations into operational planning and decision making.

Personnel Support Goal

Instill an environmental ethic awareness in soldiers and civilians that supports the Army environmental vision and community relations.

Facilities Goal

Ensure environmental considerations are incorporated where support functions are provided to the operational force.



ENVIRONMENTAL STANDARDIZATION AND SYNCHRONIZATION (ESS) DIVISION

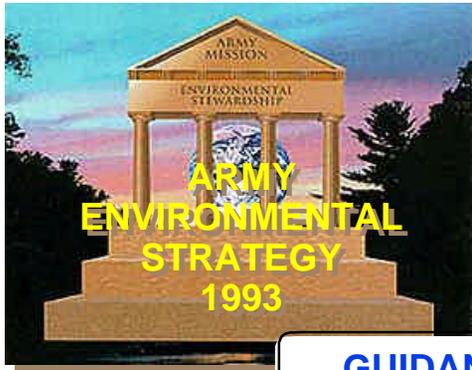
- ✓ **Lessons learned collection**
- ✓ **MTT's**
- ✓ **Surveys**
- ✓ **Liaison/MOAs**
- ✓ **Evaluation matrices**
- ✓ **SAT implementation and evaluation function**

ESS GOAL

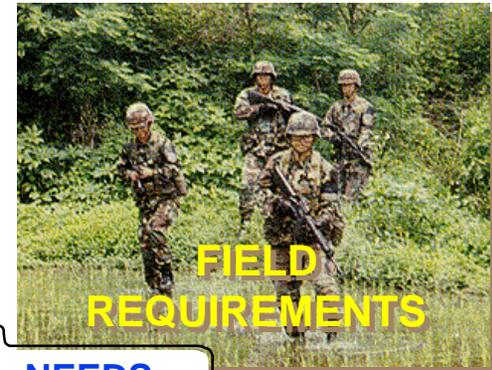
Support the DEI environmental integration mission by evaluating environmental products, surveying the extent of environmental integration, establishing liaisons with stakeholders and disseminating lessons learned.



ENVIRONMENTAL DOTMLPF INTEGRATION PLAN



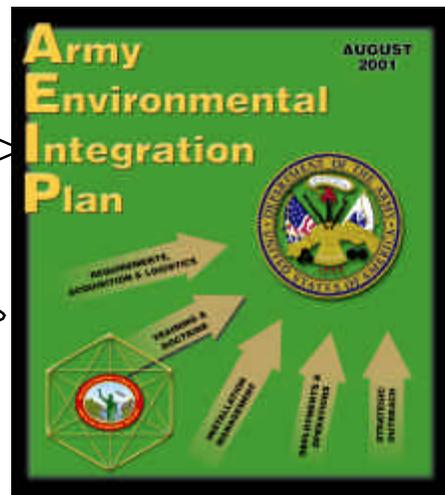
GUIDANCE



NEEDS



POLICY



ORGANIZATIONAL INPUT





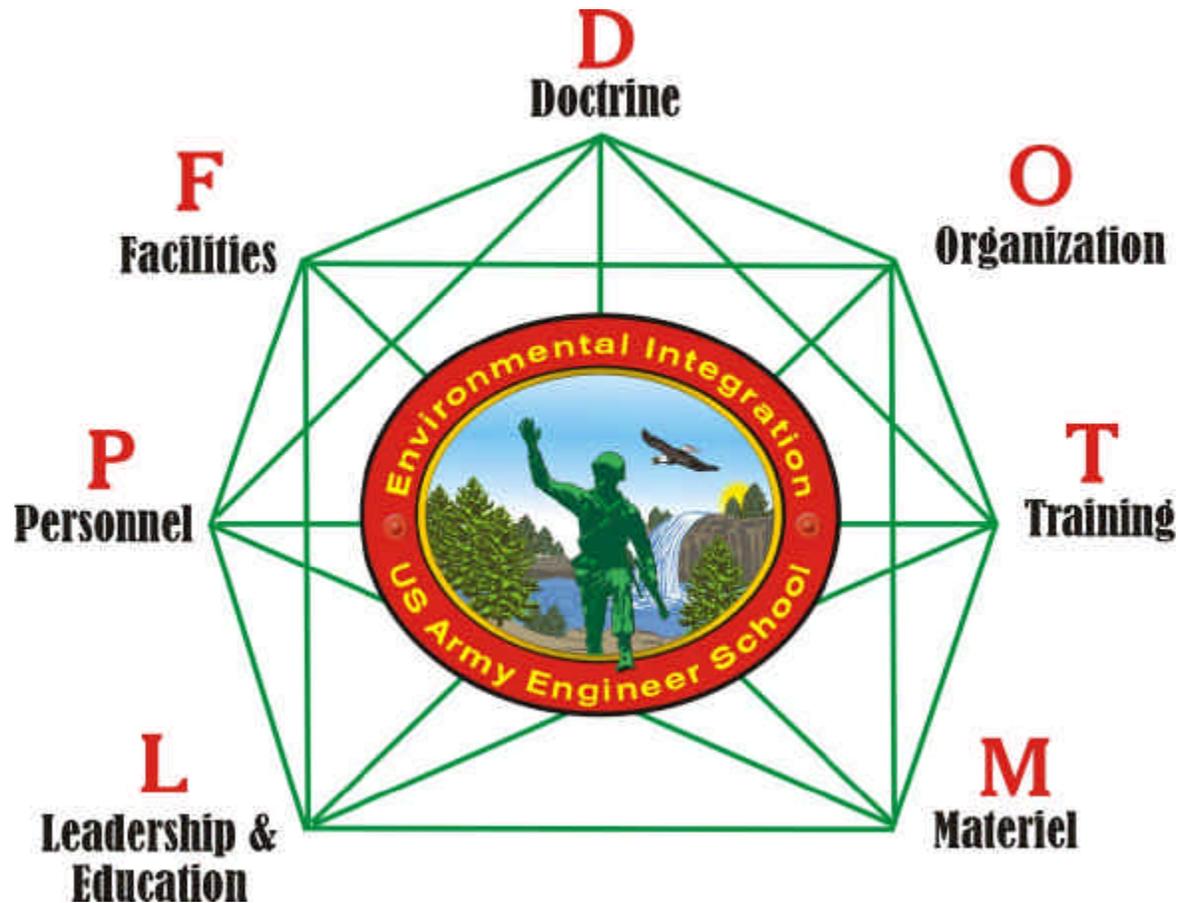
INTEGRATION OBJECTIVE

“Full integration will occur when everyone — leaders, soldiers, families automatically include environmental impact considerations in the planning and execution of activities. We have instilled the warfighting ethic throughout the force, and we are now instilling an environmental ethic as well. We must incorporate environmental considerations in our doctrine... in our decision-making process.”

GEN REIMER



DOTMLPF INTEGRATION





DOCTRINAL GOAL

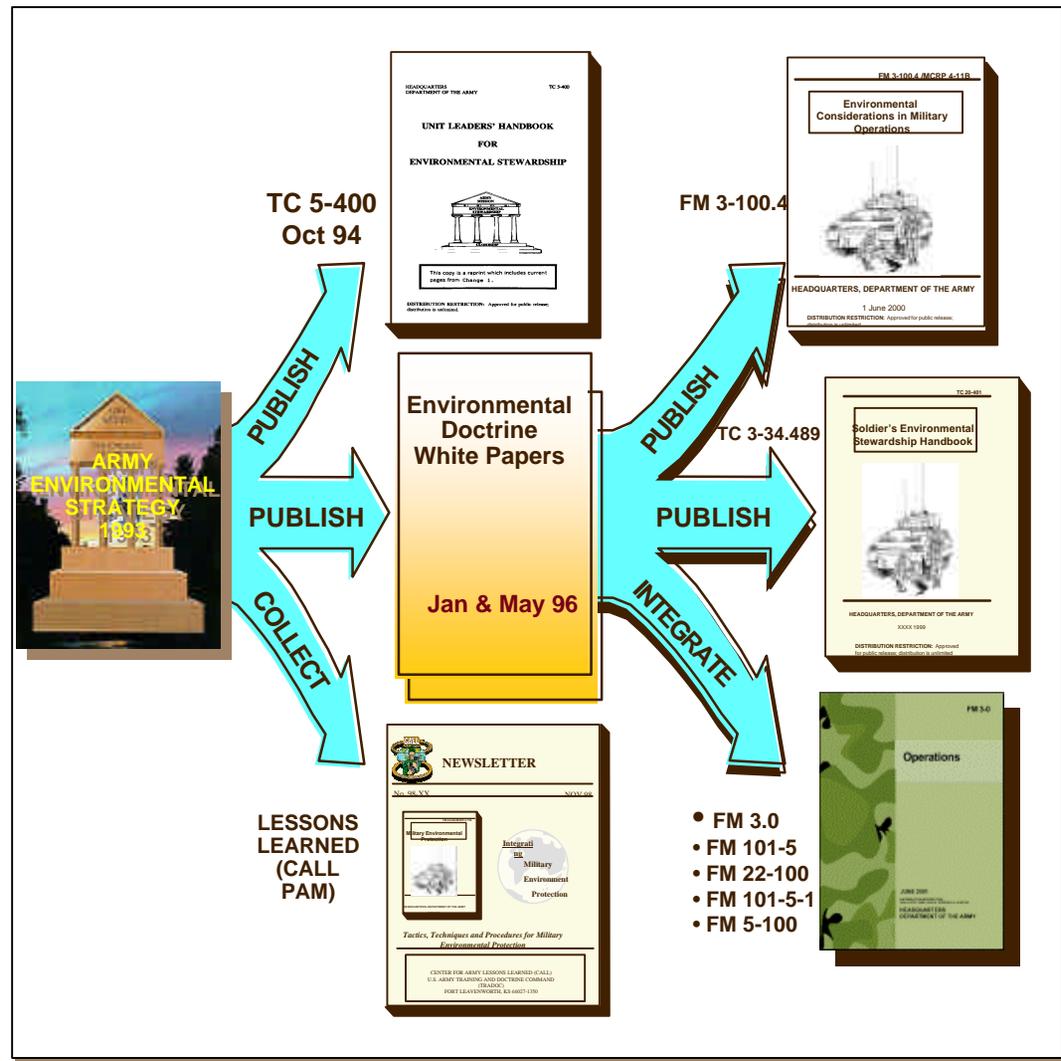
Integrate environmental considerations into Army operational concepts.





DOCTRINAL STRATEGY

Mapping the requirements of the Army's environmental strategy into operational doctrine that supports the Army's Transformation Objective. Integrate concepts and norms into keystone and capstone Army and Joint doctrinal manuals while simultaneously developing specific requirements in procedural publications.





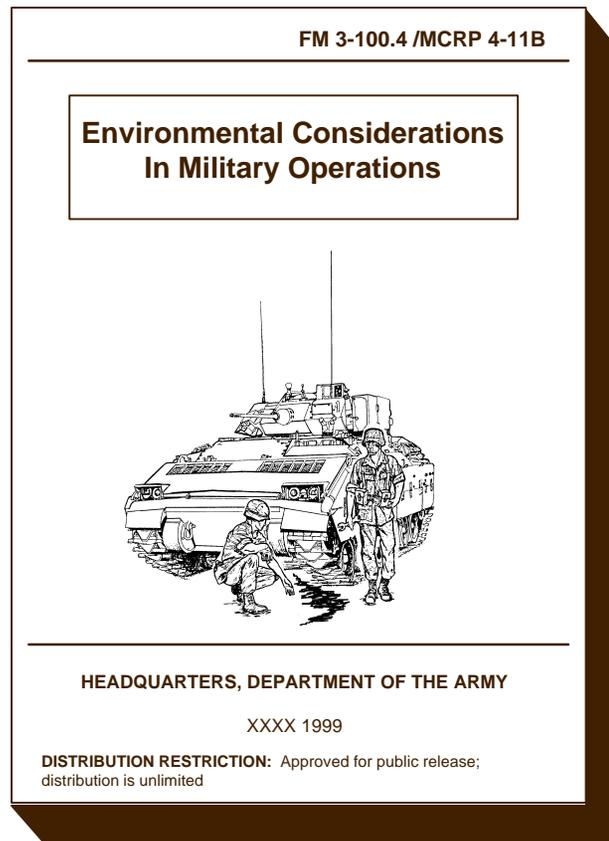
KEYSTONE MANUAL



The Army's capstone manual is **FM 3-0, Operations**. The manual has a dual purpose. It describes the “operational art,” the linkage of the tactical means to strategic ends, as well as addressing how the Army fights, the art of operations.



MULTI-SERVICE PUBLICATIONS



Military Environmental Considerations..

.. guides the U.S. Army and the U.S. Marine Corps in applying appropriate environmental protection procedures during all types of operations.



JOINT PUBLICATIONS

CJCSM 3500.04B

Universal Joint Task List

XXXX 1998

Joint Pub 3-34

Engineer Doctrine for Joint Operations

**24 April 1998
Second Draft**

Joint Pub 4-04

Joint Doctrine for Civil Engineering Support

26 September 1995



ORGANIZATIONAL DESIGN GOAL

Identify staff organizations and procedures to integrate environmental considerations into the Military Decision-Making Process (MDMP).



Military Decision-Making Process	Receipt of Mission
	Mission Analysis
	COA Development
	COA Analysis (Wargame)
	COA Comparison
	COA Approval
	Orders Production



ORGANIZATIONAL DESIGN STRATEGY

Integrate environmental planning responsibilities and considerations into:

- ✓ **Military Decision-Making Process.**
- ✓ **Staff planning.**
- ✓ **Operational Plans and Orders.**
- ✓ **Standing Operating Procedures.**

Copy 1 of 1 Copies
1Bde, 19 ID
FLW, MO
281700SEP98

Operation Order Number JP001

References:

– QV1234, QV1235, QV1243

Time Zone Used Throughout The Order: Zulu



TRAINING GOAL

Identify environmental requirements by task, condition, and standard; **integrating** them into the Total Army Training System (TATS) and professional training programs.

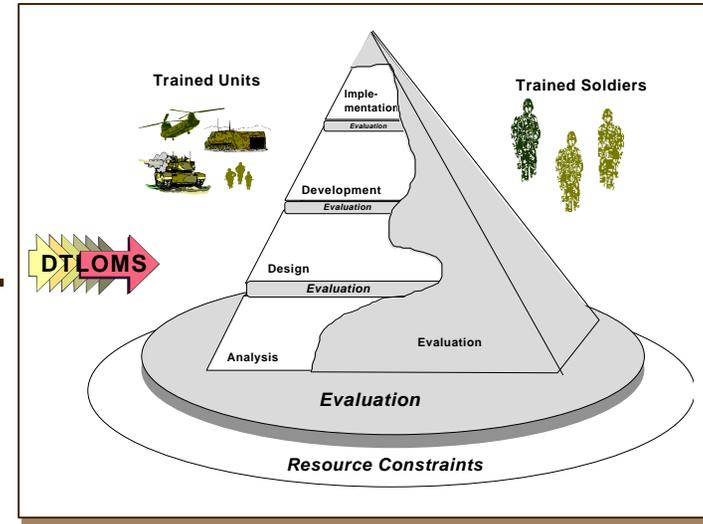




TRAINING STRATEGY

Used the Systems Approach to Training (SAT).

- ✓ Focused training development efforts on analyzing environmental needs.
- ✓ Publishing annual training integration priorities.
- ✓ Priorities:
 - Influencing training development process.
 - Develop resident, non-resident, and unit training products.





DEI PRODUCTS

RESIDENT TRAINING

- ✓ Training Developer's Course
- ✓ Web-based Environmental Course(s)
- ✓ EMS Awareness Training
- ✓ EMS Management Training
- ✓ EMS Implementation Training
- ✓ EMS Train-the-Trainer Training
- ✓ Combat Developers Course
- ✓ Materiel Developers Course
- ✓ The Sustaining Base Leadership and Management (SBLM) Program
- ✓ Organizational Leadership for Executives (OLE)
- ✓ Leadership Education and Development (LEAD)

UNIT TRAINING SUSTAINMENT

- ✓ TVT 5-56 The Soldier and the Environment
- ✓ TVT 5-149 The Unit and the Environment
- ✓ TVT 9-313 Unit Maintenance Operations and the Environment
- ✓ TVT 5-140 Storm Water Management
- ✓ TVT 5-137 Introduction to Hazardous Waste Management
- ✓ TVT 5-139 First Responder Awareness & Operations Levels

NON-RESIDENT TRAINING

- ➔ EN 5700, Junior Enlisted Environmental Awareness Training
- ➔ EN 5702, Small Unit Leaders Environmental Awareness Training
- ➔ EN 5704, Senior Leader Environmental Awareness Training
- ➔ EN 5707 Comply with Host Nation, Federal, State, and Local Environmental Laws and Regulations
- ➔ EN 5708 Supervise Platoon Compliance with Host Nation, Federal, State, and Local Environmental Laws and Regulations



MATERIEL DEVELOPMENT GOAL

Integrate environmental considerations into the acquisition process to facilitate compliance, prevention and conservation throughout the system lifecycle.





MATERIEL DEVELOPMENT STRATEGY

Integrate pollution prevention concepts into acquisition and logistics regulations/policies and the requirements-determination process.

Incorporate environmental considerations into Combat Development Documents (Mission Needs Statements & Operational Requirements Document), and Integrated Concept Team functions.





LEADERSHIP and EDUCATION GOAL

Identify leader environmental-related tasks, responsibilities, and duties to **integrate** environmental considerations into unit operations.





LEADERSHIP and EDUCATION STRATEGY

Full environmental integration will require Army and civilian leaders with knowledge and skills beyond a simple awareness level.

Commanders, staff, soldiers and environmental professionals will need specific training and operational skills just to meet joint doctrinal and operational requirements.





PERSONNEL SUPPORT GOAL

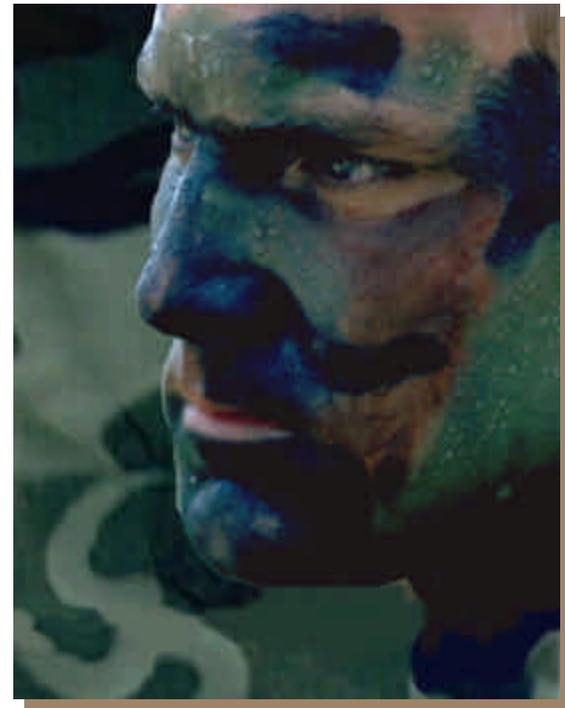
Instill an environmental ethic in all soldiers and DOD civilians to **integrate** environmental considerations into day-to-day activities and operations.





PERSONNEL SUPPORT STRATEGY

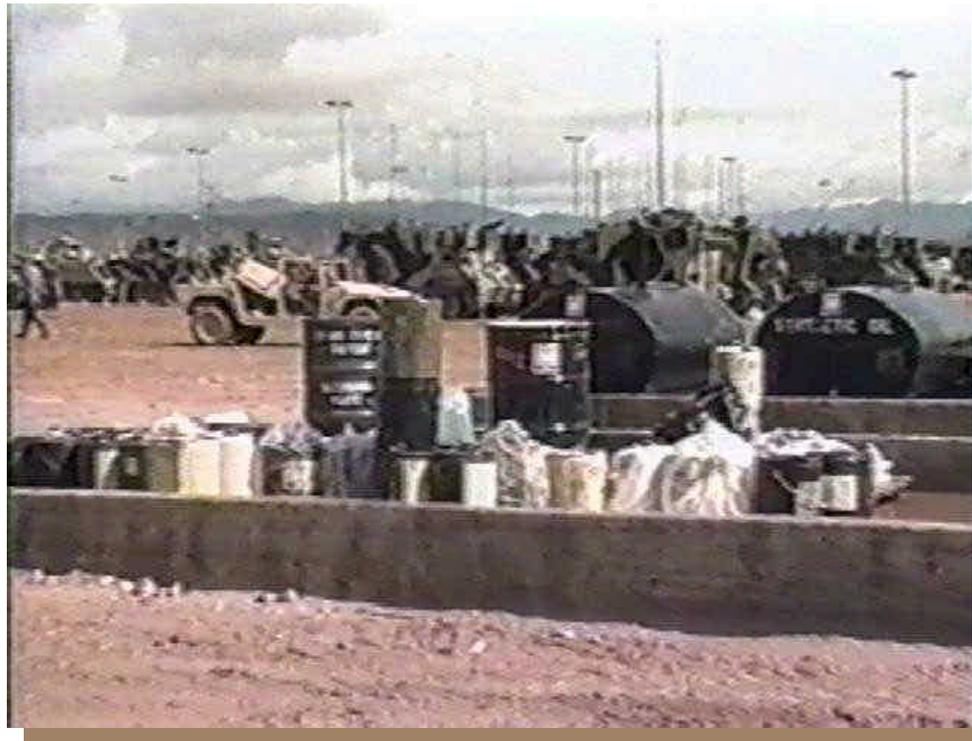
- ✓ **Inculcate a soldier and civilian environmental ethic.**
- ✓ **Link to the ethical decision-making process.**
- ✓ **Develop soldier's and civilians professional and personal responsibility to understand and support the Army's environmental program.**





FACILITIES SUPPORT GOAL

Ensure environmental considerations are incorporated where support functions are provided to the operational force.





FACILITIES SUPPORT STRATEGY

The Unit of Action and Assured Mobility Concepts and FCS systems will require larger home station training areas and ranges to exercise the extended distances of FCS.

- ✓ Involve communities in the decision-making process.**
- ✓ Develop plans with local communities to aid in relocation of threatened and endangered species to areas off the installation to increase training area.**



SUMMARY

Keys to achieving environmental integration:

- **USAES serve as the proponent for environmental considerations across the DOTMLPF spectrum.**
- **Proactive doctrine and POI development and integration by the Army and Joint services and completion of training packages for all Army courses.**
- **Acceptance and use of doctrine and unit training products by the field.**
- **Review of training for CP 16 and 18 personnel.**
- **Sustained maintenance of DOTMLPF products.**
- **Periodic evaluation of integration, usage, and effectiveness.**