

**Pollution Prevention and Compliance Assistance  
Office of the Deputy Under Secretary of Defense (Environmental Security)**

**ENVIRONMENTAL SECURITY VISION STATEMENT**

To have fully incorporated environmental, health and safety values into the culture of the Department of Defense. These core values are recognized by the uniformed and civilian customers throughout the Department of Defense and its external stakeholders not only as key elements of national security policy, but as a necessary underpinning of sound business practices that allow the Department to maximize its financial and human resource potential. They are vital parts of all operational and business decisions whereby the safety and health of our people and protection of weapons systems, facilities, and the environment are integrated into all worldwide national defense activities.

Department of Defense Environmental Security Web Sites (All are open to the public):

Office of the Secretary of Defense – Defense Environmental Network and Information eXchange

<http://www.denix.osd.mil/>

Department of the Army – Army Environmental Center

<http://aec.army.mil/>

Department of the Navy – Naval Facilities Engineering Service Center

<http://enviro.nfesc.navy.mil/>

Department of the Air Force – Air Force Center for Environmental Excellence

<http://www.afcee.brooks.af.mil/>

Joint Service Pollution Prevention Technical Library -- <http://enviro.nfesc.navy.mil/p2library/>

**ENVIRONMENTAL SECURITY MISSION**

Responsible to the Under Secretary of Defense (Acquisition, Technology & Logistics) for global Environmental Security policy, oversight, advocacy, representation, and implementation of environmental, safety, occupational health, and fire and emergency services programs for Defense activities, including the relationship between the environment and the military missions of the Department of Defense.

The Department of Defense Environmental Security Program fulfills four overriding and interconnected goals.

- The first is to comply with the law.
- The second goal is to support the military readiness of the U.S. armed forces by ensuring continued access to the air, land, and water needed for training and testing.
- The third goal is to improve the quality of life for military personnel and their families by protecting them from environmental, safety, and health hazards and maintaining quality military facilities.
- The fourth goal is to contribute to weapon systems that have improved performance, lower

cost, and better environmental characteristics.

DoD will invest in pollution prevention to reduce the cost of cleanup and compliance, to promote technology innovations, to obtain better and cheaper environmental performance, and to support community revitalization with fast-track cleanup of closed or realigned facilities.

## **POLLUTION PREVENTION OVERVIEW**

The purpose of pollution prevention is to reduce or eliminate pollution problems, rather than control them. The preventive approach attacks pollution at the source through conservation of resources, replacement of hazardous materials by less hazardous materials, pollution reduction, and recycling. The Department of Defense (DoD) uses pollution prevention as its preferred approach to environmental management and is integrating the practices into all activities, from redesigning weapon systems to improving the management of hazardous materials at installations.

During Fiscal Year 2001, the Department of Defense will invest approximately \$247.9 million in Pollution Prevention and approximately \$1,596.7 million in Compliance.

DoD long relied on "end-of-pipe" solution to its environmental problems to control and mitigate the effects of using environmentally harmful materials and procedures. Pollution Prevention offers a better way. Under the pollution prevention approach, an installation commander is encouraged to fund a project that permanently eliminates the pollution stream. Through resource conservation, source reduction, and recycling, pollution prevention programs assist DoD in:

- Enhancing operational readiness by minimizing the environmental challenges associated with every stage in the life cycle of a weapon system;
- Reducing health and safety risks to its personnel and neighbors in nearby communities while protecting the installation's natural resources;
- Reducing or eliminating compliance and cleanup problems;
- Implementing process improvements to increase productivity and quality;
- Curbing the growth of the environmental budget by eliminating rather than treating or cleaning up pollution problems, and improving the effectiveness of other DoD operations, maintenance, and procurement budget through more efficient use of materials and resources.

## **POLLUTION PREVENTION GOALS**

DoD's program goal for Pollution Prevention is threefold:

1. Comply with all legal requirements by promoting pollution prevention as the preferred means of achieving environmental compliance;
2. Protect human health and the environment by reducing the use of hazardous materials to as near zero as possible; and
3. Reduces costs by integrating cost-effective pollution prevention practices into all DoD operations and activities, while ensuring performance of DoD's mission

## **PROGRAM CONSIDERATIONS**

In addition to the need to meet all legal obligations under traditional laws and regulations governing environmental compliance, DoD is guided by a number of important factors in developing its pollution prevention programs. Such factors include:

- International treaties, such as the 1978 Maritime Pollution (MARPOL) protocol, which restricts disposal of shipboard wastes into the sea, and the Montreal Protocol, which bans the production of ozone-depleting halons, solvents, and refrigerants
- Presidential Executive Orders:
  - E.O. 13101, Greening the Government Through Waste Prevention, Recycling, and Federal Acquisition
  - E.O. 13123, Greening the Government Through Efficient Energy Management
  - E.O. 13148, Greening the Government Through Leadership in Environmental Management
  - E.O. 13149, Greening the Government Through Federal Fleet and Transportation Efficiency
- State, region, and local requirements, such as local recycling laws or state mandates that exceed Federal requirements to procure products that have recycled content or meet reporting and reduction requirements related to the use of toxic materials

## **POLLUTION PREVENTION ACCOMPLISHMENTS**

### Toxic Chemical Releases

Goal: 50% reduction by 1999  
Actual: 65% reduction achieved 1993-1998

### Hazardous Waste Disposal

Goal: 50% reduction by 1999  
Actual: 56% reduction achieved 1993-1999


### Pesticide Use

Goal: 50% reduction by 2000 (active ingredients)  
Actual: 52% reduction achieved 1993-1999

Slide 1

**Department of Defense  
Pollution Prevention Technical Assistance**

---



---

Maureen Sullivan  
Office of the Deputy Under Secretary of Defense  
(Environmental Security)  
*Environmental Security – Defending Our Future*

---

---

---

---

---

---

---

---

Slide 2

 **Department of Defense**

---

- 3 million military personnel and civilians, including guard and reserve
- 25 million acres of land
- More than 250 major installations and 550 public utility systems
- More than 100,000 vehicles, 22,000 aircraft, and hundreds of ships



*Environmental Security – Defending Our Future* 2

---

---

---

---

---

---

---

---

Slide 3

 **Pollution Prevention Accomplishments**

---

- **Pesticide Use**  
Goal: 50% reduction by 2000 (active ingredients)  
Actual: 52% reduction achieved 1993-1999
- **Toxic Chemical Releases**  
Goal: 50% reduction by 1999  
Actual: 65% reduction achieved 1993-1999
- **Hazardous Waste Disposal**  
Goal: 50% reduction by 1999  
Actual: 56% reduction achieved 1993-1999



*Environmental Security – Defending Our Future* 3

---

---

---

---

---

---

---

---

Slide 4

 **Environmental Centers**

- Army Environmental Center  
<http://aecarmy.mil>
- Naval Facilities Engineering Service Center  
<http://enviro.nfesc.navy.mil>
- Air Force Center for Environmental Excellence  
<http://www.afcee.brooks.af.mil>
- Joint Service Pollution Prevention Technical Library--  
<http://enviro.nfesc.navy.mil/p2library>

*Naval Facilities Engineering Service Center ENVIRONMENTAL SERVICES*

*View our Products and Services Page*

*The Air Force Center for Environmental Excellence*

*Environmental Security - Defending Our Future*

4

---

---

---

---


---

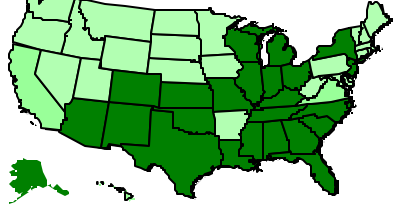
---

---

---

Slide 5

 **Pollution Prevention Partnerships**



---

---

---

---

---

---

---

---