



# The Hazardous Materials Transportation Act (HMTA)

# Objectives



## **Terminal Objective**

**Given the Environmental Laws and Regulations course manual as a reference, you will be able to:**

- **Explain how the Hazardous Materials Transportation Act (HMTA) affects the DOE and its transportation and shipping of hazardous wastes and materials.**

# Objectives

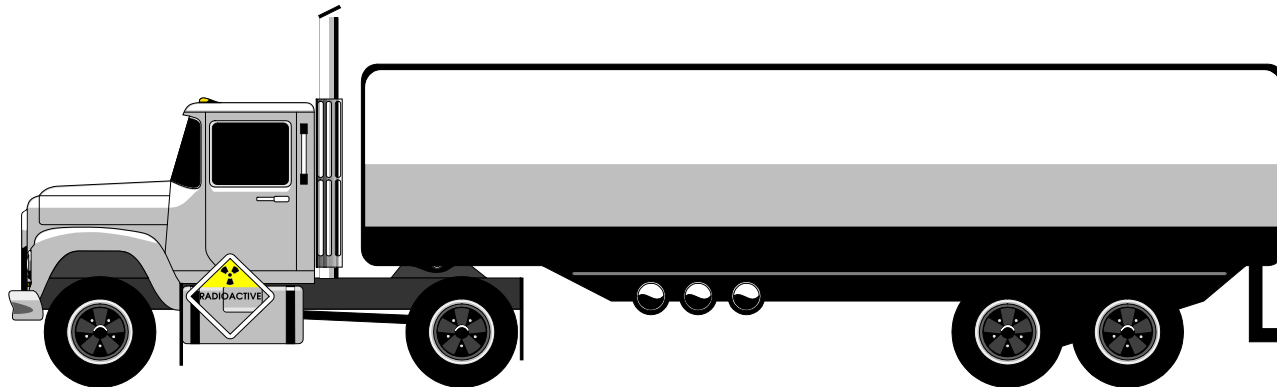


## Enabling Objectives

- **Describe the requirements set forth in DOT Dockets HM-126F and HM-181.**
- **List the HMTA provisions presented in 49 CFR.**

# Overview

*The Hazardous Materials Transportation Act (HMTA) regulates the marking, manifesting, labeling, packaging, placarding, and spill reporting provisions for hazardous materials in transit.*





# Overview

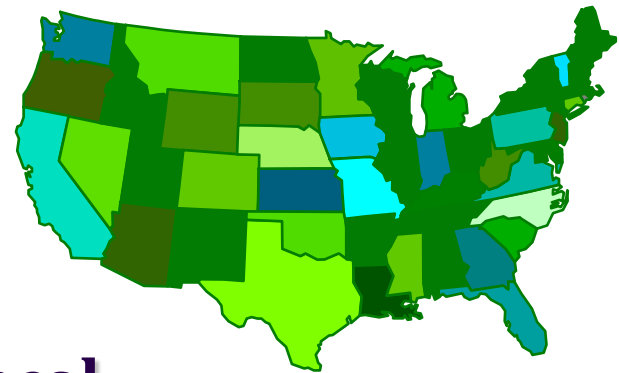
*Under the law, shippers must certify that they are in compliance with Department of Transportation (DOT) regulations. When Environmental Protection Agency- regulated hazardous wastes are shipped, they must be accompanied by a uniform hazardous waste manifest.*



# Overview

**During the reauthorization, the Act was amended to settle the issue of Federal pre-emption of State hazardous materials laws by delineating areas of:**

- **Exclusive Federal jurisdiction**
- **Joint Federal and State jurisdiction**
- **Areas open to State and local jurisdiction**



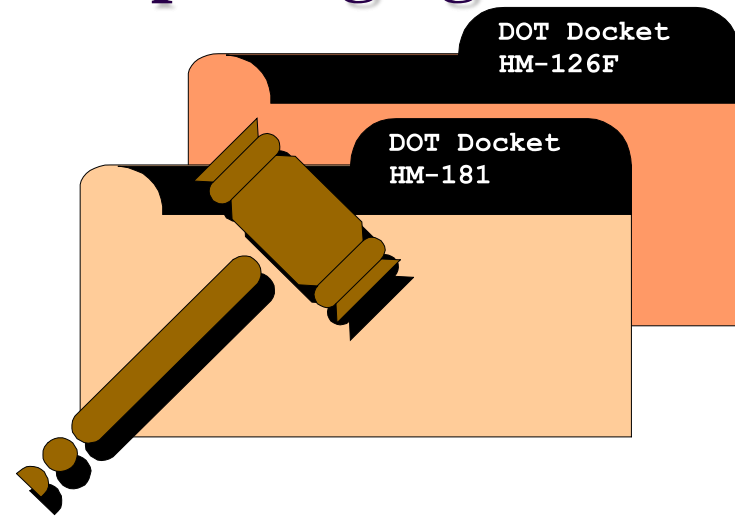
# Overview



- **The hazardous materials regulations initially applied only to interstate transit**
- **In 1997, the hazardous materials regulations were extended to cover intrastate transit.**

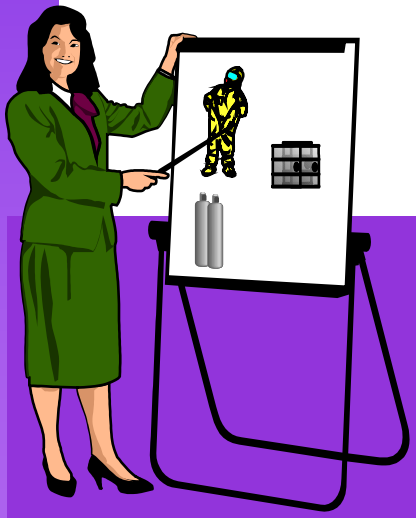
# The 1990 Amendments

- **Required training for workers involved with transport of hazardous materials**
- **Directed DOT to improve packaging requirements**



# Training

**Hazardous Materials Regulations outline specific training requirements for all HAZMAT employees, including:**



- **General awareness training (hazard communication)**
- **Functional training (activity-specific)**
- **Safety training**
- **Recurrent (refresher) training**

**All workers who ship, transport, handle, and/or store hazardous materials must now be trained in the following HAZMAT procedures:**

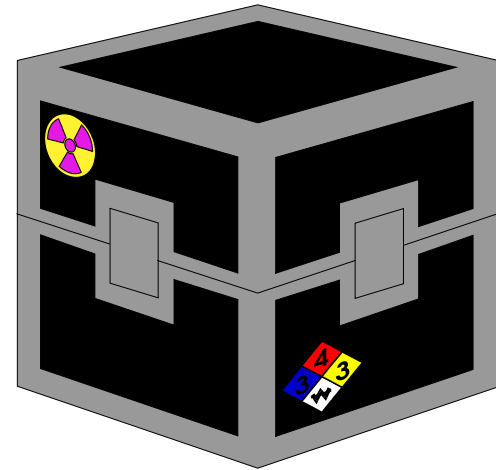
- **Handling**
- **Hazard communication**
- **Classification**



# Packaging

**Hazardous Materials Regulations require performance-oriented packaging standards, including:**

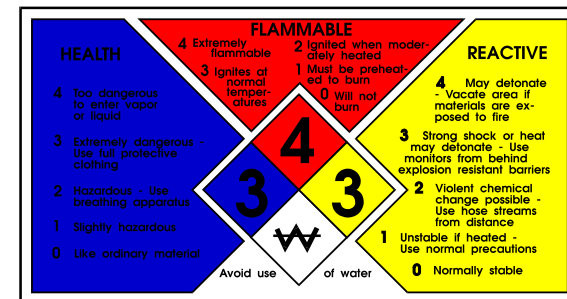
- **Proper shipping names**
- **Hazard classes**
- **Identification numbers**
- **Packaging requirements**
- **Vehicle placarding**



# Packaging

## DOT regulations include:

- Spill notification requirements
- Emergency response procedures
- Requirements for emergency response information on (or with) shipping papers

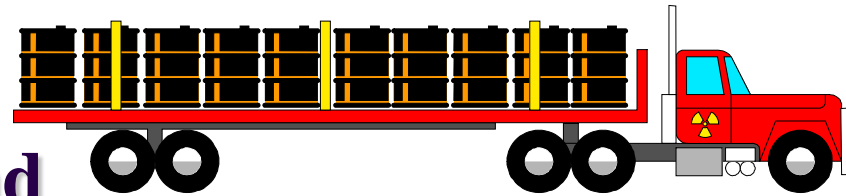




# 49 CFR

**The provisions of the HMTA are implemented in 49 CFR, which describes general requirements for hazardous materials shipments and packagings and contains guidelines for:**

- **Shipping,**
- **Transporting, and**
- **Handling hazardous materials**



# 49 CFR Subchapters B and C



- **Subchapter B - contains general requirements for hazardous materials transportation and pipeline safety**
- **Subchapter C - contains specific hazardous materials regulations, including requirements for:**
  - **Rail**
  - **Aircraft**
  - **Shipping container specifications**
  - Vessel**
  - Public highway**

# The HMTA and Other Environmental Laws

The HMTA is integrated with several environmental laws and contains certain shipping requirements applicable to DOE activities. For example:

- A hazardous waste manifest (Resource Conservation and Recovery Act) may also be used as a shipping paper

**HAZARDOUS WASTE**  
FEDERAL AND/OR STATE LAWS PROHIBIT IMPROPER DISPOSAL

IF FOUND, CONTACT THE NEAREST POLICE OR PUBLIC SAFETY AUTHORITY, THE U.S. ENVIRONMENTAL PROTECTION AGENCY OR THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

GENERATOR INFORMATION:  
NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
EPA ID NO. \_\_\_\_\_ MANIFEST DOCUMENT NO. \_\_\_\_\_  
ACCUMULATION START DATE \_\_\_\_\_ EPA WASTE NO. \_\_\_\_\_

( \_\_\_\_\_ )  
U.S. PROPER SHIPPING NAME AND UN OR NA NO. WITH PREFIX

**HANDLE WITH CARE!**

# Other Environmental Laws



- **The Superfund Amendments and Reauthorization Act requires that the DOT list and regulate all Comprehensive Environmental Response, Compensation, and Liability Act hazardous substances as hazardous materials**

# Transportation of Non-DOE Radioactive Materials

- **The 1995 amendments required all transporters of radioactive materials to develop and maintain a radiation protection program**
- **After numerous efforts to clarify the requirement, DOT withdrew the requirement in 1998**
- **These requirements never applied to DOE because of our existing, more stringent requirements under the AEA, our ALARA policy, and DOE orders**

# Transportation of Non-DOE Radioactive Materials



- **NRC's responsibilities include licensing spent fuel packaging, approving quality assurance programs, and conducting inspections.**
- **NRC's regulations are incorporated by reference into DOT's hazardous materials regulations**

# Review Question



**The Hazardous Materials Transportation Act applies only to interstate transit of hazardous materials.**

**a. True**

**b. False**