The Maryland Fire and Rescue Institute of the University of Maryland is the State’s comprehensive training and education system for all emergency services.

The Institute plans, researches, develops, and delivers quality programs to enhance the ability of emergency service providers to protect life, the environment, and property.
Objective
Given information from discussion, handouts, and reading materials, describe the role of first responders in dealing with a hazardous materials or weapons of mass destruction incident.

Overview
• Hazardous materials
• Levels of training
• Regulations and agencies
• Preplanning
Explosion in Ghent, WV

Hazard

Substance or material capable of posing an unreasonable risk to human health, safety, or the environment when transported in commerce, used incorrectly, or not properly contained or stored

Weapons of mass destruction
Levels of Training

- Regulations
  - Issued and enforced by the government
    - OSHA
    - EPA
- Standards
  - Issued by nongovernmental entities
    - NFPA
  - Based generally on consensus

Levels of Training

- Awareness
- Operations
- Technician
- Incident commander

Levels of Training

Awareness level personnel

MD Department of the Environment
Levels of Training

Operations level personnel

Technician level personnel

Incident commander
Regulations and Agencies

- SARA
  - Superfund Amendments and Reauthorization Act
- EPCRA
  - Emergency Planning and Community Right-to-Know Act
- LEPC
  - Local Emergency Planning Committee

Regulations and Agencies

- SERC
  - State Emergency Response Commission
- EPA
  - Environmental Protection Agency
- DOT
  - Department of Transportation
- FBI
  - Federal Bureau of Investigation
- DHS
  - Department of Homeland Security

Preplanning

- Targeting hazards
- Threat assessment and response
- Coordinated planning
  - By all agencies and departments
**Objective**
Given information from discussion, handouts, and reading materials, describe the role of first responders in dealing with a hazardous materials or weapons of mass destruction incident.

**Preplanning**

- Hazardous materials
- Levels of training
- Regulations and agencies
- Preplanning
Objective
Given information from discussion, handouts, and reading materials, describe how to recognize and identify hazardous materials and WMD at an emergency incident.

Overview
• Scene size-up
• Containers
• Markings
• Routes of entry
Scene Size-up

Safety, isolate, and notify (SIN)

Containers

Drums

EMD Chemicals, Inc.

Containers

Carboys
Markings

Hazardous Materials Information System

Military Hazmat/WMD Markings

Shipping papers
Objective
Given information from discussion, handouts, and reading materials, describe how to recognize and identify hazardous materials and WMD at an emergency incident.

Review
• Scene size-up
• Containers
• Markings
• Routes of entry