



Pennsylvania State Fire Academy

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Minimum Standard for Accreditation (MSA)

January 1995

Course Title: Initial Response to Hazardous Material Incidents: Basic Concepts
(NFA) (IRHMI:BC)

Length of Course: 16 Hours

Lecture/Lab Breakdown: 12/4

Prerequisites: None

Referenced Texts: NFPA Standards 471, 472, 1500, and 1981; OSHA 29 CFR 1910.120/EPA 40 CFR 311, NFA Instructor Guide for the course in question.

Course Goal: This course is designed to give the first responder at a hazardous materials incident basic concepts and techniques for appropriate behavior before, during, and after the incident.

Description of Course: Same as course goal.

Description of Methodology to be used: (Brief) Combination of lecture, discussion, and group/individual exercises.

Student Equipment/Supply Needs: Pen, pencil and notebook; 1 copy of Student Manual for course in question.

Equipment/Audiovisual/Supply requirements: Classroom with sufficient seating at tables/desks, preferably with ability to break out into groups; 35 mm slide projector with appropriate screen; VCR with monitor(s); chalkboard or flip chart; 1 copy of Student Manual per student; 1 copy of Post-Test package per student; AV kit for the course in question; 1 copy of the current D.O.E. Emergency Response Guidebook (ERG) for each 5-6 students.

COURSE OUTLINE **(General - Not Detailed)**

<u>Time</u>	<u>Content</u>	<u>Instructor Notes</u>
:15	Welcome/Registration	
1:30	Introduction	
1:30	Regulations and Standards	
1:30	Personal Safety	
continued		

MINIMUM STANDARDS FOR ACCREDITATION

Initial Response to Hazardous Material Incidents: Basic Concepts

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COURSE OUTLINE continued
(General - Not Detailed)

<u>Time</u>	<u>Content</u>	<u>Instructor</u> <u>Notes</u>
1:30	Toxicology	
1:45	Introduction to Recognizing and Identification	
2:15	Site Management and Scene Set-up	
1:00	Personal Protective Equipment	
1:30	Decontamination	
1:00	Resources	
1:30	Course Wrap-up	
:45	Examination Administration/Dismissal	

Competency Evaluation Mechanism (Brief description-attach copy): 25 question end of course examination as supplied with Instructor Guide; examination must be passed with a minimum 70% score for successful course completion.

Course Objectives (specific): Upon completion of this course, the student will be able to accurately:

1. describe the role of the first responder in a hazardous materials incident and identify related training requirements.
2. identify and describe the important laws, regulations, and standards that apply to hazardous materials initial response.
3. value and practice personal safety during hazardous materials emergencies.
4. apply principles and terminology of toxicology to ensure personal safety.
5. identify the hazard class and, if possible, the product name of hazardous materials found at an emergency scene.
6. identify the advantages and implications of basic concepts and procedures used in hazardous materials site management and scene setup.
7. identify appropriate personal protective equipment (PPE) and its limitations for first responders.
8. identify the role of the first responder regarding decontamination during hazardous materials incidents.
9. identify, evaluate, and access resources typically available to first responders.
10. apply concepts presented in the course to representative hazardous materials incidents.

Questions/Comments: Contact Rita Wessel, Curriculum Specialist: Extension 106
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