



Pennsylvania State Fire Academy

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Minimum Standard for Accreditation (MSA)

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Course Title: Initial Response to Hazardous Materials Incidents - Concept Implementation (NFA) (IRHMI:CI)

Length of Course: 16 Hours

Lecture/Lab Breakdown: 16/0

Prerequisites: IRHMI:BC or Equivalent; ICS and FHSP recommended.

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 will enable students to apply a systematic process for safe and appropriate response to hazardous materials incidents, utilizing safe and appropriate (for the first responder operations level) strategies and tactics.

Description of Course: Designed for the first responder, this course builds on the concepts presented in its prerequisite (IRHMI:BC) by means of general application of concepts in an operational context. The course deals with activities appropriate at the First Responder - Operations level as defined in OSHA 29 CFR 1910.120/EPA 40 CFR 311.

Description of Methodology to be used: A combination of lecture, guided discussion, and individual/group activity.

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

Equipment/Audiovisual/Supply requirements: Classroom with adequate seating at tables/desks; facilities for "break-out" into groups for group activities preferred; chalkboard or flip chart; 35 mm slide projector and screen; VCR with adequate monitors; 1 copy of Student Manual for each student (must remain in student's possession at course's conclusion); 1 copy of the DOT Emergency Response Guidebook for each 5-6 students; 1 copy test package for each student; AV package for the course in question.

COURSE OUTLINE

<u>Time</u>	<u>Content</u>	<u>Instructor Notes</u>
2:00	Introduction	
3:45	Gather Information	
1:00	Estimate Potential Course & Harm	
1:15	Determine Strategic Goals	
5:45	Assess Tactical Options	

COURSE OUTLINE

<u>Time</u>	<u>Content</u>	<u>Instructor Notes</u>
1:00	Plan and Implement Actions, Evaluate, and Review	
1:15	Course Summary, Test, and Conclusion	

Competency Evaluation Mechanism (Brief description): 25 question written 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:

1. explain the relationship between current federal laws and regulations that affect first responders in hazardous materials situations and the scope of this course.
2. identify types and sources of information needed for the safe response to hazardous materials incidents.
3. identify factors that must be considered in making an estimate of potential incident course and harm.
4. identify items to consider when determining and prioritizing appropriate strategic goals in a hazardous materials incident.
5. identify the tactical objectives, methods, and resources needed to accomplish the strategic goals and to develop a plan of action.
6. develop and implement an operational plan of action, evaluate its effectiveness, and review the plan as indicated.