

	Pennsylvania State Fire Academy	
	717.248.1115 In PA: 1.800.459.4096	1150 Riverside Drive Lewistown, PA 17044-1979
	FAX 717.248.3580	www.osfc.state.pa.us
Minimum Standard for Accreditation (MSA)		

Date: January 1, 2014
 Last Revision: -- --, ----

Course Title: Hazardous Materials Awareness Refresher (HMAR)

SFA Course Code: HMAR

Course Length: 2 hours

Lecture/Lab Breakdown: 2.0/0

Prerequisites: N/A

Referenced Text(s): *Hazardous Materials Handbook: Awareness and Operations Levels, Delmar Pennsylvania Custom Edition, or Hazardous Materials Awareness and Operations, Jones and Bartlett, First Edition.* Instructor Resources CD. OSHA 29 CFR 1910.120; DOT 49 CFR 171-173; NFPA 471; NFPA 472; DOT Emergency Response Guidebook most recent edition.

Course Goal: The goal of the Hazardous Materials Awareness Refresher (HMAR) is to refresh student knowledge in hazardous materials responses in accordance with requirements of annual refresher training as identified by regulating agencies.

Course Description: The primary target audiences for this course are the First Responders who have successfully completed a Hazardous Materials Awareness course. Student will review the knowledge and skill requirements for effective scene and response management. This course will provide the First Responder with the training needed to comply with NFPA 472 Chapter 4 Competencies for the First Responder at the Awareness Level, and 29 CFR 1910.120 OSHA's Hazardous Waste Operations and Emergency Response, (HAZWOPER), First Responder Awareness Level annual refresher training.

Description of Methodology: Lecture, discussion, demonstration, and supervised practice.

Student Equipment & Supplies: Pen/pencil, & notebook.

	Pennsylvania State Fire Academy	
	717.248.1115	1150 Riverside Drive Lewistown, PA 17044-1979
	In PA: 1.800.459.4096	
FAX 717.248.3580	www.osfc.state.pa.us	
Minimum Standard for Accreditation (MSA)		

Equipment/Audiovisual/Facility/Supply Requirements:

1. Classroom with usual amenities; computer and computer projection equipment with screen.
2. One copy of Instructor Guide and PowerPoint Presentation CD
3. One copy of textbook for each student (recommended)
4. Examples of DOT Placards and Labels
5. Examples of NFPA 704 Placards
6. Examples of Military Marking System Placards
7. Emergency Response Guidebook, most recent edition, one (1) per student.
8. Material Safety Data Sheets 1 each student (when using FFHB, MSDS should be copied from instructor CD)

Special Notes & Conditions: Maximum enrollment is 30 students. Minimum age is 14 years for the Hazardous Materials Awareness Refresher Course.

The instructor will be granted a great deal of leeway in leading the student through this learning experience. The instructor should select specific discussion points from the Instructors Resource CD and classroom exercises necessary to meet the objectives defined in this document based on the skill level of the students in the course.

It is anticipated that students completing prior versions of the Awareness level training may not have the requisite knowledge to meet the stated objectives of this refresher program. It is highly recommended that students who have not successfully completed the Hazardous Materials Awareness (DHMA) do so prior to attempting to complete this refresher program. This refresher program is designed to review some of the learning outcomes of the Hazardous Materials Awareness (HMA) course.

	Pennsylvania State Fire Academy	
	717.248.1115 In PA: 1.800.459.4096	1150 Riverside Drive Lewistown, PA 17044-1979
	FAX 717.248.3580	www.osfc.state.pa.us
Minimum Standard for Accreditation (MSA)		

Course Outline

<u>Elapsed Time</u>	<u>Topic</u>
0.25	Lesson 1 (Chapter 1)
0.50	Lesson 2 (Chapter 2)
0.50	Lesson 3 (Chapter 3)
0.50	Skill: ERG & MSDS Exercises
0.25	Lesson 7 (Chapter 7)
2.0 Hours TOTAL TIME	

Competency Evaluation Mechanism: Student participation and attendance.

Learning Outcomes (Behavioral Objectives): The following learning outcomes are associated with Hazardous Materials Awareness level training. These objectives will be met as part of the refresher training:

1. The student will identify hazardous materials by occupancy and location, placards and labels
2. The student will utilize the most recent edition of the ERG in researching hazardous materials
3. The student will utilize facility documents in researching hazardous materials
4. The student will identify common facility markings and the NFPA 704 diamond
5. The student will describe the differences between exposure and contamination
6. The student will identify the common health hazards and their effects associated with hazardous materials
7. The student will identify the routes of entry of hazardous materials in the human body and their health effects

Questions/Comments: Please contact the Assistant State Fire Academy Administrator