

COURSE TITLE:		Hazardous Materials Safety Officer		Course No. & Version:	HAZ039 2017
TOPIC AREA:		Hazardous Materials		LEVEL:	Technician
SOURCE:		Internal		Course No.	N/A
PRIMARY DOMAIN:		<input type="checkbox"/> Didactic <input type="checkbox"/> Psychomotor <input checked="" type="checkbox"/> Combination			
DELIVERY METHOD:		50 % Lecture % Hands-on % Distanced 50 % Other: In Classroom Activities			
DURATION:		Hrs 14		SCHEDULING: 2 - 7 hr days	
PROGRAM GOAL:		Upon completion of this program, the Hazardous Materials Technician shall be able to support the Incident Safety Officer by performing the functions of a Hazardous Materials Safety Officer. The course participant shall be able to analyze hazards and risks to personnel, develop a site safety and control plan, support the implementation of the plan, monitor the scene activities for deviation from the safety plan and take corrective measures and ensure that the incident is properly terminated. Activities conducted during this program will address incidents involving both fixed and transportation related emergencies.			
TARGET AUDIENCE:		Hazardous Materials Technicians or allied professionals as defined by NFPA 472 Chapters 6, 7 and 11.			
COURSE DESCRIPTION:		This two day program provides the Hazardous Materials Technician with the knowledge and skills to effectively serve as Hazardous Materials Safety Officer. Through a series of presentations and reinforcing transportation based scenario activities, the participants are provided with information concerning their expected roles during the analysis, planning, implementation, evaluation and termination phases of the event.			
MAX STUDENTS:		24		MAX INST. RATIO: 1:12	
STANDARDS ADDRESSED:		OSHA 29 CFR 1910.120(q) NFPA 472 "Competencies for Responders to Hazardous Materials/WMD Incidents" Chapter 11 "Hazardous Materials Safety Officer"			
APPROVALS					
Organization		No. / Date		Conditions	
FSFC		10/15/15		Course Number RN11306	
NOTES		A task book for use by the participant's employer is provided as part of the program.			

HAZARDOUS MATERIALS SAFETY OFFICER

Program Goal

Upon completion of this program, the Hazardous Materials Technician shall be able to support the Incident Safety Officer by performing the functions of a Hazardous Materials Safety Officer. Using transportation related scenarios, the course participant shall be able to analyze hazards and risks to personnel, develop a site safety and control plan, support the implementation of the plan, monitor the scene activities for deviation from the safety plan and take corrective measures and ensure that the incident is properly terminated.

Program Description

This two day program provides the Hazardous Materials Technician with the knowledge and skills to effectively serve as a Hazardous Materials Safety Officer. Through a series of presentations and reinforcing scenario based activities, the participants are provided with information concerning their expected roles during the analysis, planning, implementation, evaluation and termination phases of the event.

Prerequisite

Participants shall be trained to the level of Hazardous Materials Technician or an allied professional (e.g. Industrial Hygienist, Certified Safety Professional).

Target Audience Considerations

This program is intended for Hazardous Materials Technicians or allied professionals as defined by NFPA 472 who, in the performance of their duties, could be assigned the role of Hazardous Materials Safety Officer during a hazardous materials incident.

Educational Objectives

Analysis: Given scenarios involving hazardous materials/WMD incidents, the hazardous materials safety officer shall observe a scene, review and evaluate hazard and response information as it pertains to the safety of all persons within the hazardous materials branch/group.

Planning: Given scenarios involving hazardous materials/WMD incidents, the hazardous materials safety officer shall assist the hazardous materials branch director or group supervisor in developing a site safety and control plan to respond within the capabilities of available response personnel, personal protective equipment, and control equipment.

Plan Implementation: Given a scenario involving hazardous materials/WMD incidents, the hazardous materials safety officer shall perform the duties of the position in a manner consistent with the emergency response plan and/or standard operating procedures.

Evaluating Operations: Given scenarios involving hazardous materials/WMD incidents and given deviations from the site safety and control plan for activities in both the hot and warm zones and dangerous conditions, the hazardous materials safety officer shall evaluate the progress of the planned response to ensure that the response objectives are being met safely.

Terminating the Incident: Given scenarios involving hazardous materials/WMD incidents, the hazardous materials safety officer shall complete and submit the reports, documentation, and follow-up required of the hazardous materials safety officer and shall:

Schedule

Day 1

0830–0900	Registration Welcome and Introductions
0900–0930	Applicable Laws and Standards
0930–1200	Hazard/Risk Assessment Activity 1 - Evaluating Material Hazards Incident Analysis Container & Environment Impacts
1200–1300	Lunch
1300–1400	Activity 2—Developing an Incident Risk Analysis
1400–1730	Safety Planning Process & the IAP Pre-Incident Plans Activity 3—Impacts of Pre-Incident Plan Components of the Site Safety & Control Plan Activity 4—Plan Development

Day 2

0830–1000	Implementation & Evaluation Activity 5—Case Studies
1000–1200	Activity 6—Scenario 1 Activity 6—Scenario 2
1200–1300	Lunch
1300–1530	Activity 6—Scenario 3 Activity 6—Scenario 4 Activity 6—Scenario 5
1530–1600	Incident Termination
1600–1700	Activity 7—Incident Termination
1700–1730	Exam Program Closure