

COURSE TITLE:	Incident Management for Hazardous Materials Emergencies		COURSE# EDITION:	HAZ047 2018
TOPIC AREA:	Hazardous Materials	LEVEL:	Command	
SOURCE:	Internal	COURSE#:	HAZ047	
PRIMARY DOMAIN:	<input checked="" type="checkbox"/> Didactic <input type="checkbox"/> Psychomotor <input type="checkbox"/> Combination			
DELIVERY METHOD:	60 % Lecture % Hands-on % Distanced 40 % In-Class Activities			
DURATION:	24	SCHEDULING:	Three – 8 hour days	
PROGRAM GOAL:	Upon completion of this program, the emergency services field commander shall understand the unique aspects of the emergency involving hazardous materials. They demonstrate the ability to analyze, plan and implement an incident action plan for the safe and successful resolution of the emergency.			
TARGET AUDIENCE:	Incident managers and hazardous materials technician that may be called upon to manage hazardous materials emergencies. Prerequisites include Hazardous Operations Level training or greater and incident management training at the NIMS 300 level or higher.			
COURSE DESCRIPTION:	This three – day program provides the potential incident commander with the knowledge and skills to manage the hazardous materials incident. Program content and extensive use of classroom activities are used to master the following topics: Standard of care • Legislative, regulatory and standards influences • Employer emergency response plans • Incident organization • HazMat branch and safety officer operations • Hazard analysis and risk assessment • IAP development • Termination and documentation			
NFPA 1403 APPLICABILITY:	Not applicable			
MAX STUDENTS:	24	MAX INST. RATIO:	1:12	
STANDARDS MET:	OSHA 29 CFR 1910.120(q)(6) NFPA 472 Chapter 8 (2013)			
APPROVALS				
ORGANIZATION:	NO./DATE:	CONDITIONS:		
NOTES:				

Educational Objectives

The students shall describe the influences and components related to the hazardous materials Standard of Care.

- Define the term Standard of Care.
- Identify significant incidents that influenced hazardous materials response laws, regulations and standards.
- Identify what levels of training are required of a HazMat Incident Commander.
- Identify the key considerations of laws, regulations and standards.
- Identify the key requirements of 20 CFR 1910.120 as it influences incident command.

The student will identify the requirements of the Employer's Emergency Response Plan as required by 29 CFR 1910.120(q)(1) and how it impacts the incident commander.

- Identify required elements of the ERP.
- Identify roles and responsibilities of personnel under the ERP.
- Identify potential impacts of failure to follow the requirements of the ERP.

Given hazardous material incident case studies, identify the key incident management factors resulting in the injury or fatality of responders.

Given a review of the National Incident Management System, describe the roles and responsibilities of personnel at the hazardous materials incident.

- Describe the role of the incident commander, command and general staff positions.
- Identify the areas of responsibilities for the Hazmat Group/Branch.
- Identify the roles and responsibilities for the ICS positions within the HazMat Group/Branch.
- Identify the roles and responsibilities of the Assistant Safety Officer: Hazardous Material and his/her relationship with the Incident Safety Officer and HazMat Group Leader.

The student will identify the key considerations for decision making during a hazardous materials emergency.

- Differentiate between a procedural and risk based response.
- Identify the considerations of both the Eight Step and GEDAPER incident management models.
- Identify potential incident objectives and tactical considerations for their accomplishment.

The student will demonstrate the ability to develop a incident action plan.

- Demonstrate and understanding of the Planning “P” as it applies to a hazardous materials incident.
- Develop an incident action plan for the initial operational period of a hazmat incident.
- Given an incident and technical specialists, analyze the four incident components necessary for the completion of a hazard analysis and risk assessment.
- Develop and incident action plan for operational periods beyond the initial response.
- Identify the requirements for proper incident documentation and termination procedures.

Course Schedule

Time	Day 1	Day 2	Day 3
8:00 – 8:15	40 min Registration/Introduction	15 min Day 1 Review Verbal Evaluation	15 min Day 2 Review Verbal Evaluation
8:15 – 8:30	Ice Breaker Activity	45 min Review of NIMS 300 Level	60 min NFA Incident Objectives and Action Options
8:30 – 8:45			
8:45 – 9:00	30 min Standard of Care	50 min Operational Periods & The “P” and Key ICS Forms	90 min Activity Single Operational Period
9:00 – 9:15	Basic Competency Requirements		
9:15 – 9:30	Activity Ops Level Self-Assessment		
9:30 – 9:45	10 min Break	10 min Break	4 Scenarios 30 minutes work 15 minutes each team reports
9:45 – 10:00	60 min HazMat Background and Legislative Impacts		
10:00 – 10:15	10 min Break 60 min Regulations	45 min Activity ICS 201 and Key Supporting Forms	10 min Break
10:15 – 10:30		45 min HazMat Group/Branch	
10:30 – 10:45			
10:45 – 11:00	10 min Break 60 min Regulations	30 min Role of the Hazardous Materials Safety Officer	15 min Content of the iap
11:00 – 11:15			15 min The Planning “P”
11:15 – 11:30			30 min Activity The Planning Meeting
11:30 – 11:45		60 min Lunch Break	60 min Lunch Break
11:45 – 12:00			
12:00 – 12:15	60 Minutes Paragraph (q) of 1910.120 1910.120 (q)(1) ERP 1910.120(q)(6) Training	60 min Basics of Hazards analysis and Risk Assessment	150 min Capstone Activity
12:15 – 12:30			
12:30 – 12:45			
12:45 – 1:00			
1:00 – 1:15	30 min NFPA Standards 472, 473, 475 & 1900 series	50 min Activity Organizing the HazMat Incident	30 min Class Review
1:15 – 1:30			
1:30 – 1:45	10 min Break 65 min Activity Employer Emergency Response Plan	10 min Break	Final Exam, Review and Course Closure
1:45 – 2:00			
2:00 – 2:15			
2:00 – 2:15	10 min Break 50 Min Activity When Things Go Wrong	45 min Activity “Identifying Options for Achieving Incident Objectives” (Socratic)	Final Exam, Review and Course Closure
2:15 – 2:30			
2:30 – 2:45	15 min Daily Summary	15 min Daily Summary	
2:45 – 3:00			
3:00 – 3:15			
3:15 – 3:30			
3:30 – 3:45			
3:45 – 4:00			
4:00 – 4:15			
4:15 – 4:30			
4:30 – 4:45			
4:45 – 5:00			
5:00 – 5:15			
5:15 – 5:30			
Out of Class			

