

**Course Length:** 8 hours

**Course Objective:**

- Provide formal class instruction to describe the requirements and related information that a Hazmat trainee must possess in order to become a competent “Hazmat Technician” level employee?
- Provide the training and certification to individuals that have a desire and can demonstrate the formal skills necessary to become a HAZMAT Technician?
- Delegates should be able to demonstrate knowledge during written examination?

**Course Design:**

- Narrated e-learning modules

**Successful Course Completion:**

- Requires successful completion of knowledge assessment?

**Course Outline:**

HAZWOPER Review

- Regulations and Training
- Definitions
- Medical Surveillance
- HAZWOPER Training
  - Levels of Training
    - First Responder – Awareness
    - First Responder – Operations Level
    - HAZMAT Technician
    - HAZMAT Specialist
    - On Scene Incident Commander
- Hazardous Communications (HAZCOM)
  - Right to Know
  - HAZCOM Standard Requirements
  - HAZCOM Program
  - Safety Data Sheet (SDS)
    - Sections of SDS
    - SDS Content
    - SDS Terminology
  - HAZCOM Labeling
  - Other Labeling Systems
    - NFPA
    - HMIS
  - Placards
  - Placard Hazard Classes
  - Emergency Response Guidebook (sections)

- White Section
  - Yellow Section
  - Blue Section
  - Orange Section
  - Green Section
    - Table 1
    - Table 2
- HAZMAT Release
- Types of Hazards
  - Physical
  - Health
  - Specific Fire Hazards
- Additional Hazards
  - Chemical
  - Radiation
  - Etiologic
- Signs of Hazardous Material at the Scene
- SOP and Emergency Response Plan
- Hazard Control Measures
  - Engineering Controls
  - Administrative Controls
  - Personal Protective Equipment (PPE)
- Levels of Personal Protective Equipment (PPE)
  - Level A
  - Level B
  - Level C
  - Level D
- Types of Respirators
  - Air-Purifying
  - Supplied Air
- Respirator Donning/Doffing
- Respirator Fit Testing
- PPE Inspection
- PPE Maintenance
- PPE Storage

#### HAZMAT Containment

- Spill Prevention, Control and Counter Measure (SPCCM)
- Spill Response Plan
- Basic Containment
  - Defensive Actions

- Offensive Actions
- Spill Control Equipment
  - Absorbent Materials
  - Spaghetti Booms
  - Containment Technique Examples
- Drum Handling
- Drum Repair Kit
- Pipe Repair Kit
- Pipe Leak Diverter and Drip Kit

#### HAZMAT Scene Assessment

- Scene Zones
  - Hot Zone – exclusion zone
  - Warm Zone – decontamination zone
  - Support Zone – incident command and support services
- Methods of Detection
  - HAZMAT Simultest Kit
  - HAZMAT Smart Strips Kit
  - Personal Electronic Detectors
  - Fixed Detectors

#### HAZMAT Decontamination

- About Decontamination
- Purpose of DECON
- Ways to Minimize Contamination
- Decontamination Plan
  - Decontamination Team
    - General Requirements
  - Waste Disposal
    - Grey Water Containment Bag Examples
  - Emergency Decontamination
- Standard DECON Layout Example
- Level A Decontamination Set-Up
  - Facility and Equipment Arrangements/Layout
- Decontamination Safe Practices
- Decontamination Facilities
  - Equipment DECON Examples
  - DECON Containment Mat Examples
- Changing Shower/Break Facilities
- Gross DECON Shower Examples
- Gross DECON Examples

**Post Training Evaluation:**

- The employer shall ensure that each employee is evaluated to confirm that he/she understands the information provided in the training?

**Reference Material / Documents:**

29 CFR 1910.20

EPA 40 CFR 311

*M&A Safety Services training conforms to OSHA CBT Training standards and ANSI Z490.1. Criteria for Accepted Practices in Safety, Health and Environmental Training. M&A Safety Services LLC. follows all ANSI training criteria.*

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