

Course Length: 8 hours

Course Objective:

- To provide delegates an overview of RCRA that can be used to perform their duties in compliance with the regulations?
- To inform delegates about the hazards associated with the management of hazardous waste?
- To prepare delegates to prevent injury or incident using hazard communication, personal protection equipment, and safe work procedures?
- To understand hazardous waste management procedures, including complying with accumulation and storage requirements?
- To provide delegates with techniques to respond effectively to hazardous waste emergencies in the workplace?

Course Design:

- Narrated e-learning modules

Successful Course Completion:

- Requires successful completion of knowledge assessment?

Course Outline:

About HAZMAT

- Hazardous Material Transportation Act (HMTA)
- Hazardous Material Regulations
- Enforcement Authorities
- Penalties
- Employee Training Requirements
- Administrative Training Requirements
- HAZMAT Definitions
 - Hazardous Material
 - HAZMAT Employee
 - Cycle of Transportation
 - Shipper
 - Hazardous Substance
 - Reportable Quantity (RQ)
 - Marine Pollutant
- Hazard Classes
 - Class 1 – Explosives
 - Class 2 – Compressed Gases
 - Class 3 – Flammable Liquids
 - Class 4 – Flammable Solids
 - Class 5 – Oxidizers and Organic Peroxides
 - Class 6 – Poisonous and Infectious Materials

- Class 7 – Radioactive Materials
- Class 8 – Corrosive Materials
- Class 9 – Miscellaneous Hazardous Materials
- Five Steps to HAZMAT Compliance

Step 1 – Classification

- Obtain Shipping Description
- Review the Hazardous Material Table
 - Column 2 – Material Description, Proper Shipping Name
 - Column 3 – Hazard Class/Division
 - Column 4 – Identification Numbers

Step 2 – Packaging

- General Packaging Requirements
- Review Hazardous Material Table
 - Column 5 – Packing Groups
 - PG I, II, III
 - Column 7 – Special Provisions
 - Column 8 – Packaging Requirements
- UN Specification Codes
 - Example on Box and Drum
- Performance Orientation Packaging Example

Step 3 – Marking/Labeling

- Marking Requirements
- Labeling Requirements
- Marking/Label Sizes
- Marking/Label Examples
- Additional Labels on Package
- Additional Container Markings

Step 4 – Shipping Papers

- General Requirements
- Shipping Paper Examples
- Additional Requirements
- Shipper's Certification
- Hazardous/Non-Hazardous Materials
- Accessibility
- Retention
- Emergency Response Information
- Emergency Response Guidebook
 - Define colored sections

Step 5 – Placarding

- General Requirements
- Placard Examples
 - Required Size
- Placard Determination
 - Non-Bulk
 - Bulk
- Placarding Empty or Unpurged Tanks
- Placard Location/Visibility
- Placard Flow Chart

HAZMAT Safety

- Loading/Unloading HAZMAT
- Review HAZMAT Segregation Charts
- Carrier Requirements
 - Highway
 - Air
 - Rail
 - Water
- Vessel Segregation Chart

HAZMAT Security Awareness

- Training Requirements
- Awareness
- Recognition
- Potential Targets
- Security Risks
- Security Checklist
- Security Plans

Resource Conservation and Recovery Act

- Overview of RCRA
- Goals of RCRA
- The 3 Elements
 - The Act
 - The Regulations
 - Guidance and Policies
- Related Acts and Regulations
 - CERCLA
 - Clean Air Act
 - Clean Water Act
 - SARA

- EPCRA
- HAZWOPER
- Subtitles and their Provisions

Identification and Listing of Hazardous Waste

- Terms
 - Solid Waste
 - Hazardous Waste
 - Exclusions
 - Cradle-to-Grave
 - Generators
 - Transporters
 - Treatment, Storage, and Disposal Facilities (TSDF)
- Identification Criteria
 - Is the material in question a solid waste?
 - Is the material excluded from the definition of solid waste or hazardous waste?
 - Is the waste a listed or characteristic hazardous waste?
 - Toxic listed waste
 - Acute hazardous waste
 - Characteristic hazardous waste
 - Identification Criteria: Listed Wastes
 - F list
 - K list
 - P and U lists
 - Is the waste delisted?
- Characteristics of Hazardous Wastes
 - Ignitability
 - Corrosivity
 - Reactivity
 - Toxicity
- Special Regulatory Conventions
- Mixed Wastes

Hazardous Waste Generators

- Three categories - based on the amount of hazardous waste generated per calendar month
- LQGs and SQGs Requirements
- VSQG/CESQGs Requirements
- Importing/Exporting
- Farmer exclusions and Academic entities

Transporters of Hazardous Waste

- Definitions
 - Regulated transporter
 - Transfer Facilities
- The RCRA Subtitle C regulation requirements
- EPA Identification Number
- The Manifest
 - Required Forms
 - General Requirements
 - Required Information on Completed Forms
 - Using the Manifest System
 - The Electronic Manifest
 - Rejected Waste
 - Manifest Requirements for Water and Rail Transporters
 - Special Exemptions for Resource Recovery and Recycling
- Handling Hazardous Waste Discharge
 - Must be prepared for an accident
 - Notification and diking
 - Contacting NRC
 - Role of NRC and local authorities
- Additional Regulatory Requirements
 - Transporters becoming storage facilities
 - Transporters becoming generators

TSD Facilities

- Overview
- Definitions
 - Treatment
 - Storage
 - Disposal
 - Disposal facilities
 - Permitted facilities
 - Interim status facilities
- Operation and Management Standards
 - Compliance with:
- Standards for the variety of TSDF units
- Closure
 - Requirements
 - Post closure/Final disposal
- Financial assurance
 - Closure
 - Liability

- Ground Water and Air Resources
 - Ground Water Protection
 - Air Resources Protection

Land Disposal Restrictions

- Overview
- Components
 - Disposal Prohibition
 - Dilution Prohibition
 - Storage Prohibition

Hazardous Waste Combustion

- Overview
- Regulations

Hazardous Waste Permit Program

- Permitting
- Permitting Scope
- Permitting Process
- Various Types of Permits
 - Interim Status
 - Special Provisions
 - Standardized Permit

State Hazardous Waste Programs

- Overview
 - State Authorization

Specific Hazardous Wastes and Facilities

- Part 266

Universal Waste Management

- What is Universal Waste?
- Universal Waste Program

Used Oil

- Overview
- Regulation
 - Recycling Presumption
- Identification
- Used Oil as a Hazardous Waste
 - Rebuttable Presumption
- Storage Requirements
- Burning Restrictions

Underground Storage Tanks

- Overview
- Regulatory Requirements

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:

Title 40 of the CFR, Parts 239-282

DOT 49 CFR 171-180

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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