



## **M&A Safety Services**

512 Viaulet Road  
Youngsville, Louisiana 70592  
Main: 337-451-4685  
Fax: 337-451-5847  
[www.masafetyservices.com](http://www.masafetyservices.com)

### **Lead Safety** Course Outline

**Prerequisites:** This course shall have no formal pre-requisite.

**Course Length:** 1 hour – Course length shall vary depending on the number of delegates. Total course time includes breaks.

**Class Size:** The maximum number of delegates that may be trained and tested per instructor shall be thirty-five (35) in the classroom session.

#### **Course Objective**

- ) Provide employees general safety information regarding exposure to lead, health hazards, and exposure limits.
- ) Provide knowledge to control lead exposure, medical surveillance, and air monitoring.
- ) Delegates should be able to demonstrate knowledge during written examination.

#### **Course Design**

- ) Power Point© / Lecture / Audio Video / Visual Aids

#### **Successful Course Completion**

- ) Requires a minimum score of 75% or better.
- ) Grades shall be calculated by dividing the number of questions answered correctly by the total number of exam questions.
- ) Delegates will have no more than thirty (30) minutes to complete the exam.

#### **Course Content Summary**

- ) Classroom

**Breaks:** 10 minutes (approximately every hour)

**Lunch:** 1 Hour (if applicable)

#### **Course Outline**

##### About Lead

- ) Definition
- ) Common Uses of Lead in Industry
- ) Common Causes of Lead Exposure
- ) Risk of Construction Exposure
- ) How Lead Enters the Body
- ) Operations Generating Dust and Fumes



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- ) Symptoms of Lead Exposure
- ) Short-Term Lead Exposure
- ) Long-Term Lead Exposure
- ) Action Level
  - o NIOSH – Time Weighted Average (TWA)
- ) Permissible Exposure Level (PEL)
  - o OSHA – Time Weighted Average (TWA)
- ) Medical Surveillance
- ) Employee Removal from Lead Exposure

### Controlling Lead Exposure

- ) Ventilation
- ) Air Monitoring
- ) Worker Protection Plan
- ) Handling Lead Emergencies

### Respiratory Protection

- ) Employee Responsibilities
- ) Types of Respirators
  - o Air Purifying
  - o Supplied Air
    - Self-Contained Breathing Apparatus (SCBA)
    - Atmospheric Supplied Air
    - Cascade Systems
    - Escape Packs
- ) Fit Testing
  - o Quantitative
  - o Qualitative
  - o Medical Requirements
- ) Respirator Usage
- ) Respirator Inspection
- ) Respirator Maintenance
- ) Proper Donning/Doffing
- ) Respirator Storage

### Personal Protective Equipment

- ) Other PPE
- ) Cleaning and Disposal



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**Practical Session**

None

**Training Center Provided Material**

Course Materials

**Delegate Requirements**

None

**Reference Material / Documents**

OSHA 29 CFR 1910.1025

OSHA 29 CFR 1915.1025

OSHA 29 CFR 1926.62