



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
- Symptoms of Lead Exposure
- Short-Term Lead Exposure



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- Long-Term Lead Exposure
- Action Level
 - NIOSH – Time Weighted Average (TWA)
- Permissible Exposure Level (PEL)
 - 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
 - Air Purifying
 - Supplied Air
 - Self-Contained Breathing Apparatus (SCBA)
 - Atmospheric Supplied Air
 - Cascade Systems
 - Escape Packs
- Fit Testing
 - Quantitative
 - Qualitative
 - Medical Requirements
- Respirator Usage
- Respirator Inspection
- Respirator Maintenance
- Proper Donning/Doffing
- Respirator Storage

Personal Protective Equipment

- Other PPE
- Cleaning and Disposal

Practical Session

- None

Training Center Provided Material



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- Course Materials

Delegate Requirements

- None

Reference Material / Documents

OSHA 29 CFR 1910.1025

OSHA 29 CFR 1915.1025

OSHA 29 CFR 1926.62