

## Asbestos Abatement Supervisor Refresher Syllabus

**Time:** 8 hours

**Maximum Class Size:** 20

**Prerequisites:** Asbestos Awareness, Asbestos Abatement Worker & Asbestos Abatement Supervisor

**Course Description:** This LIUNA Training & Education course is designed to empower the Asbestos Abatement Supervisor with the skills and knowledge to work safely, effectively, and efficiently on an asbestos abatement job site. It will instruct the supervisor in the proper asbestos abatement techniques as well as methods for effective supervision. Skills such as how to interact personnel, clients and the public, and how to function as the employer's representative will be covered. It is important for the supervisor to keep in mind that asbestos exposure can cause disabling and fatal diseases. Supervisors have both moral and legal duties to help maintain a safe work environment for asbestos abatement workers. This LIUNA course helps asbestos supervisors to meet these duties.

### Goals/Objectives/Student Learning Outcomes:

- Define the following terms: ACM, EPA, Asbestos fiber, Friable asbestos-containing material, micron, Non-friable asbestos containing material, OSHA, PACM, PEL, SM, TSI
- List the six types of asbestos as defined by OSHA
- List the two most common types of asbestos used in construction
- Explain the difference between friable and non-friable asbestos-containing materials
- Give the OSHA permissible exposure limit for asbestos
- Describe a Class I asbestos work activity
- Describe a Class II asbestos work activity
- Describe a Class III asbestos work activity
- Describe a Class IV asbestos work activity
- Define the following term: Carcinogen, ingestion, inhalation, latency period, routes of entry, synergism
- Identify the two major routes of entry for asbestos into the body
- Explain the relationship between smoking and exposure to asbestos
- List the four diseases linked to occupational asbestos exposure and the symptoms of each disease

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### Goals/Objectives/Student Learning Outcomes-continued:

- Name the body organs affected by asbestos exposure, and explain how asbestos affects each one.
- List the three protective mechanisms the body uses to rid itself of asbestos fibers, and explain how these mechanism work.
- Define the following acronyms: FEW1, FVC, NIOSH, PFT
- List the three reasons for establishing a medical monitoring and surveillance program.
- List the five required elements of an initial/pre-placement examination.
- List the five required elements of an annual examination.
- List two additional recommended tests.
- State the number of years an employer must keep medical records of each employee.
- List ten legal rights workers have under the Occupational Safety and Health Act of 1970.
- List the seven responsibilities workers have under the Occupational Safety and Health Act of 1970.
- List seven steps workers should follow if they are punished for exercising any OSHA legal right.
- Define the following terms: Maximum use concentration, Protection factor, Quantitative fit test, Qualitative fit test, Tested and certified
- Define the following acronyms: APR, HEPA, IDLH, NIOSH, PAPR, PPE, SAR, SCBA, TC
- List the PPE used by asbestos abatement workers.
- List five types of respirators and their protection factors.
- List the seven limitations of air purifying respirators.
- List the three limitations of supplied air respirators.
- List the two limitations of SCBAs.

### Standards Addressed

OSHA Asbestos Standard: 29 CFR 1926.1101

OSHA 1926.1101 Subpart Z: Toxic and Hazardous Substances

### Classroom Rules and Procedures

- All classes begin at 6:30 am and end at 3:00 pm
- Upon entering classroom, all participants must sign in and be seated by 6:30 am
- Class will consist of a combination of lecture, video, demonstration, coached group exercises, individual exercises and assessment.
- Students are required to report to class ready to work and maintain the provided PPE

## Asbestos Abatement Supervisor Refresher Syllabus

### Textbooks/Readings/Materials

- LIUNA *Asbestos Abatement Supervisor Refresher* Instructor Guide
- LIUNA *Asbestos Abatement Worker* Participant Guide
- *Asbestos Abatement Supervisor Refresher* Student Handout Packet
- DVD: *Asbestos Abatement Techniques*
- DVD: *Work Site Preparation*
- PPT: *Asbestos Abatement Supervisor Refresher*
- LIUNA *Asbestos Abatement Supervisor Refresher* Exit Exam A or B & answer sheet

### Tools/Equipment/Other Materials

- Computer
- Calculators-one for each students
- LCD Projector
- DVD player
- Flipchart/markers
- Whiteboard/expo markers
- Highlighters
- Pencils with erasers
- Enlarged diagram of air locks, equipment room, shower room, clean room, waste load out area, decontamination

### Personal Protective Equipment

- 20 pairs of gloves
- 20 pairs of Safety Glasses
- 20 pairs of Ear plugs
- 20 hard hats
- 20 Tyvek suits

### Course Requirements

In order to receive credit for the course, participants must:

- Be present for full eight hours
- Participate in all classroom exercises
- Pass a written exam

## **Asbestos Abatement Supervisor Refresher Syllabus**

### **Course Policies**

- Participants must be on-time and ready to work.
- Participants must return from breaks on-time.
- Participants must participate in each exercise and assignment
- Participants who are on “light duty” are not allowed to take this course due to the physically demanding requirements.

### **Assessment and Grading**

Participants will be assessed on the following:

- All written exams must be passed with a score of 80% or above.
- All hands-on activities and exercises are graded on performance and participation. They are pass/fail and must be passed with a score of 80% or above.

### **Safety**

Failure to maintain and use PPE may result in dismissal from the course.