

2011 OSHA Susan Harwood Capacity Building Grant

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Asbestos Safety Awareness Lesson Plan

Course Time: 120 Minutes

Course Description:

The course is intended to train and/or retrain company employees in the essential safety skills and knowledge for non-professional emergency procedures in asbestos safety awareness training objectives. This class presents general safety related information from many sources to include OSHA and the EPA. Participants will a short video clip on the Libby Montana disaster and then conduct a classroom activity. Students will also be provided “hands on” demonstration of a lock out tag out procedure and be shown various equipment from a lock out tag out kit. A Participant: level of knowledge” assessment will be administered. This assessment is for the participant “eyes only.” The Trainer will do a verbal classroom review of the questions & answers. Upon successful completion of this course the participant will receive a course certificate of attendance.

Course Requirements: Full attendance

Step 1: Planning the Lesson

Instructional Materials:

- Audio-visual equipment
- Instructional Notes
- Training DVDs
- Power point presentation
- Lock out Tag out Kit
- Libby Montana Video
- Asbestos Video
- Student Hand outs
 - PPT
 - OSHA Publication

Learning Objectives:

- Participants will identify, define, describe
 - Define what is asbestos
 - Describe where asbestos is found
 - Explain associated health hazards
 - Illustrate how to protect yourself and co-workers against asbestos hazards
 - Analyze and discuss case studies

Step 2: Presenting the Lesson

Introduction: (10 minutes)

- Introduce yourself
 - Include name
 - Title & Experience / Credentials
 - Explain facility restrooms, cafeteria and vending machine locations
 - Explain facility emergency action plan procedures
 - Discuss classroom rules
 - Start the lesson with an “ice breaker” such as an applicable story to capture the participant’s attention, etc.

Class Power Point Presentation: (45 Minutes)

- Provide a little history of asbestos
- Explain what asbestos is
- Where asbestos may still exist
- Libby Montana video / Activity
- Discuss what vermiculite is and associated dangers
- Address possible health hazards
- Address asbestos safety precautions and procedures
- How to protect themselves and others (Buddy System)
- OSHA / State standards
- OSHA Advisor

Classroom Participant Discussion Activity: (40 Minutes)

- Participants will review the Libby Montana video and then conduct an activity (see Libby Montana activity sheet)
- A lock out tag out “show and tell” will be conducted by the trainers. LOTO equipment will be exhibited and will be explained to the students.
- Students will view an Asbestos video to help summarize the course. Classroom discussion will follow the video.

Course Review: (15 Minutes)

- We talked about the definition of asbestos and where asbestos is found.
- Describe where asbestos is found
- Explain associated health hazards
- Recap on protection measures for yourself and co-workers against asbestos hazards
- Review the laws associated with asbestos

Participant Critiques & Evaluation: (10 Minutes)

- Students will take a “level of knowledge” quiz
- Student will complete a course critique
- Evaluation: Monitor participant non-verbal and verbal reactions

References:

OSHA Asbestos Web Page. Retrieved from:

- <http://www.osha.gov/SLTC/asbestos/index.html>

Environmental Health and Safety online:

- <http://www.ehso.com/Asbestos/asbestreg.php>

Environmental Protection Agency. Libby Site Background. Retrieved from:

- <http://www.epa.gov/region8/superfund/libby/background.html>