

NYSDOH/USEPA
**Asbestos Allied Trades Certification
Training Course Schedule**

Presented By:
Environmental Education Associates, Inc.
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DAY 1

Date:

Time Allotment	Topic	Method(s) of Instruction	Instructor(s)
15 Minutes	Registration/Introduction		
25 Minutes	History of Use: (Lecture)	Manual Section 1, Video: <i>Asbestos: A Matter of Time</i> (U.S. Bureau of Mines, 1959)	
10 Minutes	Identification of Asbestos: (Lecture) <ul style="list-style-type: none"> Types and physical characteristics of asbestos including fiber size, aerodynamic characteristics and appearance; Common uses and applications for asbestos containing products 	Manual Section 2, PowerPoint Presentation	
25 Minutes	Health Effects of Asbestos Exposure: (Lecture) <ul style="list-style-type: none"> Factors affecting disease development including: properties of asbestos; exposure pathways; concentration and duration of exposure and natural defenses; Clinical signs of exposure based on visible changes in x-rays e.g.: pleural plaques and fibrosis; Asbestos-related diseases including definitions and concepts of risk, latency, symptoms, diagnosis and treatment; Health risks to family members of asbestos workers; Synergism between smoking and asbestos exposure and lack of safe exposure level 	Manual Section 3, PowerPoint Presentation	
15 Minutes	Medical Monitoring:(Lecture) <ul style="list-style-type: none"> Requirements for physicals including medical history, pulmonary function test and chest x-ray; Frequency of exams/medical surveillance; Employee access to records 	Manual Section 3, PowerPoint Presentation	
25 Minutes	Current Federal, State and Local Regulations: (Lecture) <ul style="list-style-type: none"> OSHA (29 CFR 1926.1101, 29 CFR 1910.134) New York State (12 NYCRR Part 56) 	Manual Section 4, Handouts; Referenced Regulations, PowerPoint Presentation	
15 Minutes	Break		

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DAY 1 (Cont.)

Date:

Time Allotment	Topic	Method(s) of Instruction	Instructor(s)
20 Minutes	Employee PPE – Respirators: (Lecture) <ul style="list-style-type: none"> • Classes and characteristics of respirator types; • Limitations of respirators and their proper selection, inspection, donning, maintenance and storage; • Methods for positive and negative user seal checks; • Qualitative and quantitative fit testing; • Variability between field and laboratory protection factors that alter respirator fit e.g.: facial hair • Components of a proper respiratory protection program; • Requirements regarding personal protective equipment 	Manual Section 5, PowerPoint Presentation	
15 Minutes	Employee PPE - Protective Clothing: (Lecture) <ul style="list-style-type: none"> • Selection, use and handling of personal protective clothing: including disposable and non-disposable clothing, purpose, donning, removal, storage, handling and disposal; • Uses and limitations of PPE e.g.: eye protection, hard hats, hoods, gloves, boots and booties 	Manual Section 5, PowerPoint Presentation	
15 Minutes	Personal Hygiene: (Lecture) <ul style="list-style-type: none"> • Work area entry and exit procedures; • Use of showers; • Sanitation 	Manual Section 7, PowerPoint Presentation	
45 Minutes	Work Area Preparation: (Lecture) <ul style="list-style-type: none"> • Vacate occupants; • Posting of signs; • Pre-cleaning and installing critical and isolation barriers; • Electrical and ventilation systems lock-out; • Pre-cleaning and removal of furniture and equipment; • Pre-cleaning and covering of stationary equipment such as ductwork • Flooring 	Manual Section 8, PowerPoint Presentation	
15 Minutes	Decontamination Systems: (Lecture) <ul style="list-style-type: none"> • Sequential steps for worker use of clean room, shower room and equipment room; • Direction of air flow through rooms; • Security of the work area and enclosures; • Purpose and use of entry/exit log 	Manual Section 6, PowerPoint Presentation	
60 Minutes	Lunch		
45 Minutes	Engineering Controls: (Lecture) <ul style="list-style-type: none"> • Discussion of how each applies to the specialized occupations working in proximity to the asbestos abatement project: • Purpose, construction and maintenance of barriers and decontamination enclosures 	Manual Section 9, PowerPoint Presentation	

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DAY 1 (Cont.)

Date:

Time Allotment	Topic	Method(s) of Instruction	Instructor(s)
	(including glove bags); <ul style="list-style-type: none"> • Proper work techniques for minimizing fiber release; • Use of wet methods and surfactants; • Use of negative air pressure ventilation; • Use of HEPA Vacuum cleaners; • Use, maintenance and clean-up of tools; • Good housekeeping such as promptly bagging asbestos debris and other housekeeping 		
15 Minutes	Break		
120 Minutes	Protective Clothing/Decontamination System/Engineering Controls: (Hands-on) <ul style="list-style-type: none"> • Practice selecting, donning, removing, handling, storing and disposing of protective clothing; • Build a large project sized decon contiguous to the work area per current 12 NYCRR Part 56 specifications; • Practice correct procedures for work area entry and exit 	Hands-on	

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DAY 2

Date:

Time Allotment	Topic	Method(s) of Instruction	Instructor(s)
120 Minutes	Protective Clothing/Decontamination System/Engineering Controls: (Hands-on) Cont.	Hands-on	
30 Minutes	Other Safety Hazards: (Lecture) <ul style="list-style-type: none"> • Electrical Hazards including placement of cords to reduce tripping hazards; • Heat related conditions; • Other air contaminants; • Fire and explosion hazards; • Gasoline engines; • Scaffold and ladder hazards and proper use; • Slips, trips and falls; • Confined spaces and entry/exit procedures; • Noise hazards; • Emergency procedures in the event of fire/medical emergencies and failure of containment barriers 	Manual Section 11, PowerPoint Presentation	
15 Minutes	Summary of Abatement Control Options: (Lecture) <ul style="list-style-type: none"> • Discussion of removal, encapsulation, enclosure, repair and an operations & maintenance program 	PowerPoint Presentation	
15 Minutes	Case Studies: (Lecture) <ul style="list-style-type: none"> • Typical problems and corrective measures 	Handout: Allied Trades Case Study, Discussion	
15 Minutes	Break		
60 Minutes	Course Exam		