NYSDOH/USEPA
Asbestos Inspector 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**		
30 Minutes	**History of Use: (Lecture)**	Manual Section 1, Video: *Asbestos: A Matter of Time* (U.S. Bureau of Mines, 1959)	
25 Minutes	**Identification of Asbestos: (Lecture)** • 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	
50 Minutes	**Health Effects of Asbestos Exposure: (Lecture)** • 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	**Break**		
15 Minutes	**Medical Monitoring:(Lecture)** • 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	
60 Minutes	**Current Federal, State and Local Regulations: (Lecture)** • OSHA (29 CFR 1926.1101, 29 CFR 1910.134, 29 CFR 1910.1001) • EPA (AHERA, NESHAP) • New York State (12 NYCRR Part 56)	Manual Section 4, Handouts: Referenced Regulations, PowerPoint Presentation	
60 Minutes	**Lunch**		

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DAY 1 (Cont.) **Date:**

Time Allotment	Topic	Method(s) of Instruction	Instructor(s)
60 Minutes	**Inspector PPE - Respirators: (Lecture)** • 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	Manual Section 5, PowerPoint Presentation	
45 Minutes	**Inspector PPE - Protective Clothing: (Lecture)** • 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	**Break**		
30 Minutes	**Summary of Abatement Control Options: (Lecture)** • Removal, encapsulation, enclosure, repair and an operations and maintenance program	PowerPoint Presentation	
60 Minutes	**The Role of the Inspector – Qualifications and Functions: (Lecture)** • Experience and qualifications of inspectors and management planners; • Functions of certified inspectors vs. those of certified management planners; • Inspection procedures and processes; • ACM inventory and physical assessment	Manual Section 15, PowerPoint Presentation	

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DAY 2 **Date:**

Time Allotment	Topic	Method(s) of Instruction	Instructor(s)
60 Minutes	**Understanding Building Systems: (Lecture)** • Common building plan/layout; • Heating, ventilation and air conditioning systems including: system types, system layout and organization and common locations of ACM; • Plumbing systems including: system types, system layout and organization and common locations of ACM; • Electrical systems including: inspection procedures and safety precautions; • Reading building plans and as-built drawings	Manual Section 16, PowerPoint Presentation	
45 Minutes	**Public/Employee/Building Occupant Relations: (Lecture)** • Notification of inspection to the public/employee/building occupants; • Warning signs; • Strategies and techniques for handling building occupants and the press; • Inspection scheduling strategies for minimizing disruption of building activities; • Education of building occupants	Manual Section 26, PowerPoint Presentation	
15 Minutes	**Break**		
60 Minutes	**Pre-inspection Planning and Review of Previous Inspections: (Lecture)** • Inspection scheduling and obtaining access; • Building record review; • Identifying homogeneous sampling areas using blueprints or as-built drawings; • Consultation with maintenance or building personnel; • Review of previous inspections, sampling and abatement records; • The role of the inspector in exclusions for previously conducted surveys	Manual Section 17, PowerPoint Presentation	
30 Minutes	**Inspecting for Friable and Non-friable ACM and Condition Assessment: (Lecture)** • Processes and procedures for conducting visual inspections for ACM; • Types of building materials that may contain asbestos; • Determining the friability of sample sites; • Opening return air plenums and their importance in HVAC systems; • Assessing damage and deterioration; • Significant damage vs. damaged; • Potential for significant damage vs, damage; • Types of damage;	Manual Sections 18-19, PowerPoint Presentations	

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DAY 2 (Cont.) **Date:**

Time Allotment	Topic	Method(s) of Instruction	Instructor(s)
	• Potential causes of damage; • Potential for future disturbance; • Amount of suspect ACM, both in total quantity and as a percentage of the total area; • Accessibility; • Known or suspected causes of damage/significant damage; • Deterioration as assessment factors		
60 Minutes	**Lunch**		
60 Minutes	**Inspecting for Friable and Non-friable ACM and Condition Assessment: (Lecture) Cont.**	Manual Sections 18-19, PowerPoint Presentations	
45 Minutes	**Bulk Sampling/Documentation of Asbestos in Buildings: (Lecture)** • Detailed discussion of the Simplified Sampling Scheme for Friable Surfacing Materials; • Random distribution sampling techniques; • Techniques for bulk sampling including proper use of bulk sampling and repair equipment, and patching/repair of sample areas; • Polarized Light Microscopy; • Choosing an accredited laboratory; • Quality control and quality assurance	Manual Section 18, Handout: Referenced Document, PowerPoint Presentation	
15 Minutes	**Break**		
30 Minutes	**Bulk Sampling/Documentation of Asbestos in Buildings: (Lecture) Cont.**		
60 Minutes	**Recordkeeping and Writing the Inspection Report: (Lecture)** • Sample labeling procedures and keying sample identification to sampling location; • ACM inventory procedures; • The use of photographs; • Review of Federal, State and local government asbestos forms; • Information required for inclusion in the management plan for school buildings	Manual Section 21, PowerPoint Presentation	

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DAY 3 **Date:**

Time Allotment	Topic	Method(s) of Instruction	Instructor(s)
60 Minutes	**Legal Liability and Defenses: (Lecture)** • Legal liabilities and responsibilities of inspectors and management planners; • Comprehensive general liability policies; • Claims made vs. occurrence policies; • Environmental and pollution liability clauses; • State liability insurance requirements; • Bonding and the relationship of insurance and bonding availability	Manual Section14, PowerPoint Presentation	
15 Minutes	**Break**		
45 Minutes	**Inspector Respiratory Protection and Protective Clothing: (Hands-on)** • Students will practice selecting, donning, doffing, handling, storing and disposing of protective clothing; • Practice selecting, donning, doffing, handling, maintaining and storing respirators; • Perform positive and negative user seal checks	Hands-on	
90 Minutes	**Walk-Through Survey Workshop/Bulk Sampling: (Hands-on)** • Students will perform visual inspection of a building inspecting walls, ceilings, ducts, beams, piping, etc.; • Choose sample locations; • Develop ACM inventory; • Perform physical building assessments; • Practice collection of bulk samples of non-asbestos surfacing material, thermal system insulation and Miscellaneous non-friable material; • Patch and repair sampling areas	Hands-on	
60 Minutes	**Lunch**		
105 Minutes	**Walk-Through Survey Workshop/Bulk Sampling: (Hands-on) Cont.**	Hands-on	
30 Minutes	**Course Review**	Handout: Asbestos Review Questions, Student Q&A	
15 Minutes	**Break**		
60 Minutes	**Course Exam**		