

NYSDOH/USEPA  
**Asbestos Inspector Certification  
Training Course Schedule**

Presented By:  
**Environmental Education Associates, Inc.**  
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**DAY 1**

**Date:**

<b>Time Allotment</b>	<b>Topic</b>	<b>Method(s) of Instruction</b>	<b>Instructor(s)</b>
15 Minutes	<b>Registration/Introduction</b>		
30 Minutes	<b>History of Use: (Lecture)</b>	Manual Section 1, Video: <i>Asbestos: A Matter of Time</i> (U.S. Bureau of Mines, 1959)	
25 Minutes	<b>Identification of Asbestos: (Lecture)</b> <ul style="list-style-type: none"> <li>Types and physical characteristics of asbestos including fiber size, aerodynamic characteristics and appearance;</li> <li>Common uses and applications for asbestos containing products</li> </ul>	Manual Section 2, PowerPoint Presentation	
50 Minutes	<b>Health Effects of Asbestos Exposure: (Lecture)</b> <ul style="list-style-type: none"> <li>Factors affecting disease development including: properties of asbestos; exposure pathways; concentration and duration of exposure and natural defenses;</li> <li>Clinical signs of exposure based on visible changes in x-rays e.g.: pleural plaques and fibrosis;</li> <li>Asbestos-related diseases including definitions and concepts of risk, latency, symptoms, diagnosis and treatment;</li> <li>Health risks to family members of asbestos workers;</li> <li>Synergism between smoking and asbestos exposure and lack of safe exposure level</li> </ul>	Manual Section 3, PowerPoint Presentation	
15 Minutes	<b>Break</b>		
15 Minutes	<b>Medical Monitoring:(Lecture)</b> <ul style="list-style-type: none"> <li>Requirements for physicals including medical history, pulmonary function test and chest x-ray;</li> <li>Frequency of exams/medical surveillance;</li> <li>Employee access to records</li> </ul>	Manual Section 3, PowerPoint Presentation	
60 Minutes	<b>Current Federal, State and Local Regulations: (Lecture)</b> <ul style="list-style-type: none"> <li>OSHA (29 CFR 1926.1101, 29 CFR 1910.134, 29 CFR 1910.1001)</li> <li>EPA (AHERA, NESHAP)</li> <li>New York State (12 NYCRR Part 56)</li> </ul>	Manual Section 4, Handouts: Referenced Regulations, PowerPoint Presentation	
60 Minutes	<b>Lunch</b>		

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**DAY 1 (Cont.)**

**Date:**

<b>Time Allotment</b>	<b>Topic</b>	<b>Method(s) of Instruction</b>	<b>Instructor(s)</b>
60 Minutes	<b>Inspector PPE - Respirators: (Lecture)</b> <ul style="list-style-type: none"> <li>Classes and characteristics of respirator types;</li> <li>Limitations of respirators and their proper selection, inspection, donning, maintenance and storage</li> <li>Methods for positive and negative user seal checks;</li> <li>Qualitative and quantitative fit testing;</li> <li>Variability between field and laboratory protection</li> <li>factors that alter respirator fit e.g.: facial hair</li> <li>Components of a proper respiratory protection program</li> </ul>	Manual Section 5, PowerPoint Presentation	
45 Minutes	<b>Inspector PPE - Protective Clothing: (Lecture)</b> <ul style="list-style-type: none"> <li>Selection, use and handling of personal protective clothing: including disposable and non-disposable clothing, purpose, donning, removal, storage, handling and disposal;</li> <li>Uses and limitations of PPE e.g.: eye protection, hard hats, hoods, gloves, boots and booties</li> </ul>	Manual Section 5, PowerPoint Presentation	
15 Minutes	<b>Break</b>		
30 Minutes	<b>Summary of Abatement Control Options: (Lecture)</b> <ul style="list-style-type: none"> <li>Removal, encapsulation, enclosure, repair and an operations and maintenance program</li> </ul>	PowerPoint Presentation	
60 Minutes	<b>The Role of the Inspector – Qualifications and Functions: (Lecture)</b> <ul style="list-style-type: none"> <li>Experience and qualifications of inspectors and management planners;</li> <li>Functions of certified inspectors vs. those of certified management planners;</li> <li>Inspection procedures and processes;</li> <li>ACM inventory and physical assessment</li> </ul>	Manual Section 15, PowerPoint Presentation	

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**DAY 2**

**Date:**

<b>Time Allotment</b>	<b>Topic</b>	<b>Method(s) of Instruction</b>	<b>Instructor(s)</b>
60 Minutes	<p><b>Understanding Building Systems: (Lecture)</b></p> <ul style="list-style-type: none"> <li>• Common building plan/layout;</li> <li>• Heating, ventilation and air conditioning systems including: system types, system layout and organization and common locations of ACM;</li> <li>• Plumbing systems including: system types, system layout and organization and common locations of ACM;</li> <li>• Electrical systems including: inspection procedures and safety precautions;</li> <li>• Reading building plans and as-built drawings</li> </ul>	Manual Section 16, PowerPoint Presentation	
45 Minutes	<p><b>Public/Employee/Building Occupant Relations: (Lecture)</b></p> <ul style="list-style-type: none"> <li>• Notification of inspection to the public/employee/building occupants;</li> <li>• Warning signs;</li> <li>• Strategies and techniques for handling building occupants and the press;</li> <li>• Inspection scheduling strategies for minimizing disruption of building activities;</li> <li>• Education of building occupants</li> </ul>	Manual Section 26, PowerPoint Presentation	
15 Minutes	<b>Break</b>		
60 Minutes	<p><b>Pre-inspection Planning and Review of Previous Inspections: (Lecture)</b></p> <ul style="list-style-type: none"> <li>• Inspection scheduling and obtaining access;</li> <li>• Building record review;</li> <li>• Identifying homogeneous sampling areas using blueprints or as-built drawings;</li> <li>• Consultation with maintenance or building personnel;</li> <li>• Review of previous inspections, sampling and abatement records;</li> <li>• The role of the inspector in exclusions for previously conducted surveys</li> </ul>	Manual Section 17, PowerPoint Presentation	
30 Minutes	<p><b>Inspecting for Friable and Non-friable ACM and Condition Assessment: (Lecture)</b></p> <ul style="list-style-type: none"> <li>• Processes and procedures for conducting visual inspections for ACM;</li> <li>• Types of building materials that may contain asbestos;</li> <li>• Determining the friability of sample sites;</li> <li>• Opening return air plenums and their importance in HVAC systems;</li> <li>• Assessing damage and deterioration;</li> <li>• Significant damage vs. damaged;</li> <li>• Potential for significant damage vs. damage;</li> <li>• Types of damage;</li> </ul>	Manual Sections 18-19, PowerPoint Presentations	

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<b>Time Allotment</b>	<b>Topic</b>	<b>Method(s) of Instruction</b>	<b>Instructor(s)</b>
	<ul style="list-style-type: none"> <li>• Potential causes of damage;</li> <li>• Potential for future disturbance;</li> <li>• Amount of suspect ACM, both in total quantity and as a percentage of the total area;</li> <li>• Accessibility;</li> <li>• Known or suspected causes of damage/significant damage;</li> <li>• Deterioration as assessment factors</li> </ul>		
60 Minutes	<b>Lunch</b>		
60 Minutes	<b>Inspecting for Friable and Non-friable ACM and Condition Assessment: (Lecture) Cont.</b>	Manual Sections 18-19, PowerPoint Presentations	
45 Minutes	<b>Bulk Sampling/Documentation of Asbestos in Buildings: (Lecture)</b> <ul style="list-style-type: none"> <li>• Detailed discussion of the Simplified Sampling Scheme for Friable Surfacing Materials;</li> <li>• Random distribution sampling techniques;</li> <li>• Techniques for bulk sampling including proper use of bulk sampling and repair equipment, and patching/repair of sample areas;</li> <li>• Polarized Light Microscopy;</li> <li>• Choosing an accredited laboratory;</li> <li>• Quality control and quality assurance</li> </ul>	Manual Section 18, Handout: Referenced Document, PowerPoint Presentation	
15 Minutes	<b>Break</b>		
30 Minutes	<b>Bulk Sampling/Documentation of Asbestos in Buildings: (Lecture) Cont.</b>		
60 Minutes	<b>Recordkeeping and Writing the Inspection Report: (Lecture)</b> <ul style="list-style-type: none"> <li>• Sample labeling procedures and keying sample identification to sampling location;</li> <li>• ACM inventory procedures;</li> <li>• The use of photographs;</li> <li>• Review of Federal, State and local government asbestos forms;</li> <li>• Information required for inclusion in the management plan for school buildings</li> </ul>	Manual Section 21, PowerPoint Presentation	

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**DAY 3**

**Date:**

<b>Time Allotment</b>	<b>Topic</b>	<b>Method(s) of Instruction</b>	<b>Instructor(s)</b>
60 Minutes	<b>Legal Liability and Defenses: (Lecture)</b> <ul style="list-style-type: none"> <li>• Legal liabilities and responsibilities of inspectors and management planners;</li> <li>• Comprehensive general liability policies;</li> <li>• Claims made vs. occurrence policies;</li> <li>• Environmental and pollution liability clauses;</li> <li>• State liability insurance requirements;</li> <li>• Bonding and the relationship of insurance and bonding availability</li> </ul>	Manual Section14, PowerPoint Presentation	
15 Minutes	<b>Break</b>		
45 Minutes	<b>Inspector Respiratory Protection and Protective Clothing: (Hands-on)</b> <ul style="list-style-type: none"> <li>• Students will practice selecting, donning, doffing, handling, storing and disposing of protective clothing;</li> <li>• Practice selecting, donning, doffing, handling, maintaining and storing respirators;</li> <li>• Perform positive and negative user seal checks</li> </ul>	Hands-on	
90 Minutes	<b>Walk-Through Survey Workshop/Bulk Sampling: (Hands-on)</b> <ul style="list-style-type: none"> <li>• Students will perform visual inspection of a building inspecting walls, ceilings, ducts, beams, piping, etc.;</li> <li>• Choose sample locations;</li> <li>• Develop ACM inventory;</li> <li>• Perform physical building assessments;</li> <li>• Practice collection of bulk samples of non-asbestos surfacing material, thermal system insulation and Miscellaneous non-friable material;</li> <li>• Patch and repair sampling areas</li> </ul>	Hands-on	
60 Minutes	<b>Lunch</b>		
105 Minutes	<b>Walk-Through Survey Workshop/Bulk Sampling: (Hands-on) Cont.</b>	Hands-on	
30 Minutes	<b>Course Review</b>	Handout: Asbestos Review Questions, Student Q&A	
15 Minutes	<b>Break</b>		
60 Minutes	<b>Course Exam</b>		