



EH&S ISSUES DURING CONSTRUCTION

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SUMMARY	<p>Prior to performing renovation or demolition work of any building or utility, an asbestos inspection must be performed by a Massachusetts licensed asbestos consultant. For buildings and utilities where asbestos containing materials are identified, any work that involves disturbance (e.g., removal, cutting) of these materials must be performed by a Massachusetts licensed asbestos abatement contractor. The asbestos standards for the construction industry regulates asbestos exposure for the following activities:</p> <ul style="list-style-type: none">• Demolition or renovation of structures (e.g., building, utilities)• Abatement (removal or encapsulation of asbestos)• Alteration, repair, maintenance or renovation of asbestos or substrates• Installation of asbestos• Housekeeping, storage, transportation and disposal <p>There are regulatory requirements for oversight and air monitoring by an independent asbestos consultant during the Contractor's abatement work. In addition, the disposal of asbestos containing materials must be in accordance with RCRA regulations.</p>
RELATED SECTIONS	<p><i>Hazardous Waste</i> <i>Personal Protective Equipment</i> <i>Hazard Communication</i> <i>Personal Protection Equipment</i></p>
REGULATIONS	<p>29 CFR 1910.134, .145, .1001, .1101 & .1200 and 29 CFR 1926 – Occupational Safety and Health Administration 40 CFR 61 & 763 – Environmental Protection Agency 40 CFR 240-299 – Solid Wastes, Title 40, Subchapter 1 310 CMR 7.15 - Air Quality Regulations 453 CMR 6.00 – Department of Labor and Industries 310 CMR 18.000 & 19.000 – Solid Waste Management Regulations 105 CMR 440.353 – Department of Public Health</p>
APPLICABILITY	<p>If asbestos containing materials are identified during inspection and the Contractor's work involves disturbance of these materials, then the contract language specified below should be included as part of the bid documents and the compliance items listed below should be verified during construction.</p>
CONTRACT SPECIFICATIONS	<p>For construction projects where the requirements for asbestos abatement are applicable, specifications must be included as part of the special provisions of the Contract. EH&S is available to assist in specification development/review.</p>



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COMPLIANCE ITEMS DURING CONSTRUCTION	YES	NO
<p>The Contractor has posted the appropriate caution signs at all approaches to the work area:</p> <p style="text-align: center;">DANGER ASBESTOS CANCER AND LUNG DISEASE HAZARD AUTHORIZED PERSONNEL ONLY RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING ARE REQUIRED</p>		
<p>Any area where abatement activity and final clean-up is occurring is accessible only to authorized, licensed and trained personnel. (If you can <i>see</i> abatement work or clean-up occurring, there is most likely something wrong with the Contractor's enclosure methods and a representative from EH&S should be notified).</p>		
<p>The Contractor has submitted an <i>Asbestos Notification Form: ANF-001 (Attachment 1)</i> to the Department of Environmental Protection (DEP).</p>		
<p>All occupants of the residential premises and affected abutters have been notified in advance that asbestos abatement work will take place.</p>		
<p>The University has contracted with a licensed asbestos consultant to oversee the Contractor's abatement work, perform air monitoring at the fenceline of the work area, and approve final clean-up of abatement areas. This consultant should be submitting air monitoring data to HPRE on a continual basis throughout the performance of the Contractor's abatement work. HPRE should forward this information to the EH&S Department for review.</p>		
<p>The Contractor is properly wrapping/bagging all waste from the asbestos abatement process (e.g., removed asbestos containing material, dust from HEPA filters, etc.) within the asbestos work area. Wrapped/bagged waste is being stored on site in secure, closed containers (e.g., drums, roll-off containers) that are properly labeled:</p> <p style="text-align: center;">DANGER CONTAINS ASBESTOS FIBERS AVOID CREATING DUST CANCER AND LUNG DISEASE HAZARD AVOID BREATHING DUST</p>		
<p>The asbestos consultant is arranging for the Contractor's use of a <i>Harvard University Asbestos Waste Shipment Record (AWSR)</i> for disposal of all asbestos waste. The asbestos consultant is reviewing the completed AWSRs for conformance with University standards and to ensure that the waste is going to an asbestos landfill approved by the University. (See <i>Attachment 2</i>).</p>		