

56-11.5 Controlled Demolition with Asbestos in Place.

- (a) **Air Sampling and Analysis.** Air sampling and analysis on an asbestos project conducted under this Section shall be conducted in accordance with the requirements of Subpart 56-4 of this Part.
 - (1) In addition to the requirement of Subpart 56-4.9(b-c), air monitoring within the work areas shall be conducted daily during abatement and cleaning activities. If more than one (1) shift daily is required to accomplish the work, air monitoring within the work area during abatement shall be performed on each shift, preferably at mid-shift timing.
- (b) **Asbestos to Remain During Demolition.** A building/structure may be demolished with asbestos material in place, as per the requirements of this Section, when the following condition is met:

- (1) **Building/Structure is Condemned.** A building or structure may be ruled structurally unsafe by a licensed Professional Engineer, Registered Architect, Building Inspector, Fire Inspector or other official of competent jurisdiction. The official shall attest to the condition of the building/structure in writing. A copy of the condemnation letter shall be attached to the project notification mailed to the Department of Labor and a copy shall be posted at the work site.
- (c) **Controlled Demolition Procedures.** The following controlled demolition procedures shall be followed:
- (1) **Project Size.** Unless the size of the project can be positively quantified it shall be deemed to be a Large project. The maximum fee shall accompany the notification.
 - (2) **Regulated Abatement Work Area.** The entire demolition area shall be considered the regulated abatement work area. This area shall be enclosed within a barrier to prevent unauthorized entry. Signage on this barrier shall be in accordance with Section 56-7.4. Orange construction fence or snow fence is acceptable for this purpose. For outdoor regulated abatement work areas, all adjacent building openings within twenty-five (25) feet of the outermost limit of the disturbance shall be sealed with two (2) layers of six (6) mil fire retardant plastic sheeting, and the exterior asbestos project regulated abatement work area shall extend a minimum of twenty-five (25') feet from the outermost limit of the disturbance.
 - (3) **Entrance or Exit.** Entrance or exit of all persons and equipment shall be through one (1) designated and controlled "access way" in the barrier or fence, which shall provide a means of egress from the regulated abatement work area.
 - (4) **Decontamination Areas.** All decontamination areas shall be within the regulated abatement work area. An equipment decontamination area shall be cordoned off within the worksite for cleaning of heavy equipment, i.e., backhoes, excavators, loaders, etc. The ground surface in this decontamination area shall be banked on the sides to confine the contaminated wastewater.
 - (5) **Equipment Decontamination.** Equipment shall be decontaminated prior to exiting the regulated abatement work area, utilizing a pressure wash system, after which all exposed surfaces inside and out shall be wet wiped. The surface below the equipment shall be scraped or cleaned of any residual asbestos contamination. This material shall be removed and disposed of as asbestos contaminated material.
 - (6) **Wet Methods.** No dry disturbance or removal of ACM, PACM or asbestos material shall be permitted.
 - (7) **Debris.** All debris generated by the demolition shall be considered to be asbestos contaminated waste (to be disposed of as RACM), except for

structural members, steel components and similar non-suspect items which shall be fully decontaminated as per this Part.

- (8) **Wetted Demolition Waste.** The demolition waste shall be wetted on a continuous basis, that is, prior to, during and subsequent to its actual collection and removal. Fog nozzles or similar type of equipment shall be used to perform the wetting.
- (9) **Wetted Piles of Waste.** Piles of waste not actively being worked on, i.e. piles being added to or portions being removed or piles left over extended periods of time, shall be covered with at least one layer of six (6) mil polyethylene to retain its moisture level and to prevent fiber release.
- (10) **Wastewater.** Wastewater shall be confined within the controlled demolition regulated abatement work area. All wastewater shall be collected by means of trenching or ditches and directed into a holding tank. Disposal of such wastewater shall be in accordance with applicable laws and regulations. After wastewater has dissipated, the earth surface below the trenches and holding tank shall be scraped and any residual asbestos contamination removed and disposed of as asbestos contaminated waste.
- (11) **Pending Disposal.** All demolition waste shall be placed in hard wall, closed containers or vehicles with at least two (2) layers of fire retardant six (6) mil plastic sheeting draped loosely over the sides of the load to facilitate being wrapped over the top of the load and sealed air tight prior to transport from the site. Dumpsters shall be considered to be hard wall containers. There shall be no visible emissions or water leakage from these containers.
- (12) **Contaminated Earth Surfaces.** The earth surface below the rubble and or contamination areas shall be scraped clean of any residual asbestos contamination. This material shall be removed and disposed of as asbestos contaminated waste.
- (13) **Final Cleaning and Clearance Procedures.** Final clean-up and clearance procedures for abatement shall comply with Section 56-9, except that only one stage of cleaning (final) is to be performed. Lockdown encapsulant use is not required.
- (14) **Final Waste Removal From the Site.** The requirements of Subpart 56-10 shall apply, after all asbestos project regulated abatement work areas have been satisfactorily cleared.