



Guidelines for Estimating PM and Asbestos Emissions from Asbestos Abatement (Demolition) Operations



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Site specific information shall be used to estimate asbestos emissions resulting from demolition/renovation (asbestos abatement) operations. For example, the percentage of asbestos found in each type of building material and the quantity of the building material from the survey report conducted pursuant to South Coast AQMD Rule 1403 can be used. If MSDS data is used, then the maximum range of asbestos content must be used to estimate asbestos emissions.

As an alternative, the default emissions factors can be used if site specific data is not available for particulate matter (PM) and asbestos emission calculations.

PM emission factor: **0.006 lb/ton** of building material removed

Asbestos emission factor: **0.0015 lb/ton** of building material removed

Multiply each of the factors separately with the reported amount of the building material removed (throughput of building material in tons removed) to obtain the resulting PM and asbestos emissions in pounds. Note that these default emission factors assume controls (i.e., HEPA filter efficiency is already built into the emission factors). Since the control is accounted for in the emission factor, list “0.00” under the Overall Control Efficiency.

Assumptions used in determining default emission factors:

- All operations controlled by HEPA filter with 99.97 percent efficiency,
- PM airborne factor = One percent (South Coast AQMD),
- Average asbestos debris concentration = 25 percent (U.S. EPA).