



1. Background

- 1.1 It is the long term strategy of the University to label known asbestos containing material where such labeling is feasible and beneficial to the building occupants.
- 1.2 The Occupational Safety Health Administration (OSHA) regulation 1910.1001(j)(4)(iv) requires the posting of entrances to mechanical rooms/areas which contain Asbestos Containing Material (ACM) and/or Presumed Asbestos Containing Material (PACM).

2. Scope

To ensure consistent labeling, this Standard Procedure defines the process to effectively implement asbestos labeling at Ithaca Cornell campus and outlying facilities where labeling is deemed appropriate.

3. Responsibilities

3.1 EHS

- 3.1.1 Establish and maintain the asbestos labeling Standard Operating Procedure.
- 3.1.2 Provide labeling format
- 3.1.3 Provide guidance to Facility and Unit personnel on labeling strategy.

3.2 Facility Manager

- 3.2.1 Responsible to ensure labeling meets minimum regulatory requirements. Specifically, for ensuring all mechanical space access doors are properly posted.

3.3 Unit Representative

- 3.3.1 Determine with consultation with EHS as needed where additional labeling beyond mechanical spaces is warranted.

4. Procedure

4.1 Mechanical spaces:

- 4.1.1 Post all access doors and similar access points for mechanical spaces (i.e.

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mechanical rooms, crawlspaces) containing ACM or PACM using Label 1 format.

4.2 Pipe and equipment insulation:

4.2.1 Label ACM following label 2 format

4.2.2 Label non-ACM using label 6 format

4.2.3 The following are the locations where labels or stencil painting is to be applied to piping systems:

4.2.3.1 Adjacent to each valve or fitting;

4.2.3.2 At each branch take-off;

4.2.3.3 Where pipes pass through walls, floors, and ceilings;

4.2.3.4 At any change in direction;

4.2.3.5 On all straight runs, every 12 feet;

4.2.4 When piping system has asbestos containing fitting material but the run insulation is non-asbestos containing, the fittings will be labeled using Label 3 format along with directional arrows utilizing label format 7 pointing towards the positive fitting.

4.2.5 The non-ACM containing pipe runs will be labeled using Label 6 (Asbestos Free label) and associated asbestos free arrow using Label 8 pointing **towards** asbestos free insulation.

4.3 Tanks, duct work and other large insulated pieces of equipment:

4.3.1 Minimum of one side shall be labeled using format 2

4.4 Material above accessible ceilings

4.4.1 Asbestos containing material located above a non-asbestos, accessible ceiling (i.e. drop-in tile) that has the potential to be damaged when accessing ceiling space.

4.4.2 Label 5 shall be adhered to the wall substrate directly beneath the ceiling material.

4.4.3 Minimum of one label per wall

4.5 Surface material labeling:

4.5.1 Asbestos containing ceiling material (e.g., drop-in tile, exposed spray-on fire proofing)

4.5.1.1 Label shall be adhered to the wall substrate directly beneath the ceiling

material.

4.5.1.2 Utilize Label 4 format.

4.5.1.3 Minimum of one label per wall

4.5.2 Asbestos containing floor and wall material typically will not be labeled. Such material will be identified within the on-line building survey summary.

4.6 Manholes:

4.6.1 All manholes free of asbestos containing material will have the inside collar of the manhole stenciled 'Asbestos free.'

4.7 Miscellaneous materials:

4.7.1 In general, materials such as roofing, window glazing and caulk, will not be labeled.

4.8 Partial Abatement projects:

4.8.1 Where asbestos is partially abated, clearly indicate the point where asbestos free material (AFM) meets asbestos containing material (ACM). On piping systems use pipe banding labels. One band consistent with label format 7 with arrows pointing to the ACM and the other band consistent with label format 8 with the arrows pointing to the AFM. The bands are to meet at the point where the ACM abuts the AFM. The rest of the insulating material should be labeled as directed in other parts of this section.

5. Reference

5.1 Definitions

5.1.1 Asbestos Containing Material (ACM) – any material containing greater than one percent (1%) of asbestos

5.1.2 Asbestos-Free Material (AFM) – Material that does not contain asbestos

5.1.3 Presumed asbestos containing material (PACM) – All thermal system insulations and surfacing materials found in buildings constructed no later than 1980. PACM is considered to be ACM unless proven otherwise by appropriate bulk sampling and laboratory analyses.

5.2 Related Documents/Procedures

HS16 – Asbestos Management Program

6. Labels



Label 1 – Mechanical Room Notification ((Black lettering on yellow background)



Label 2 - Asbestos containing material (Black lettering on yellow background)



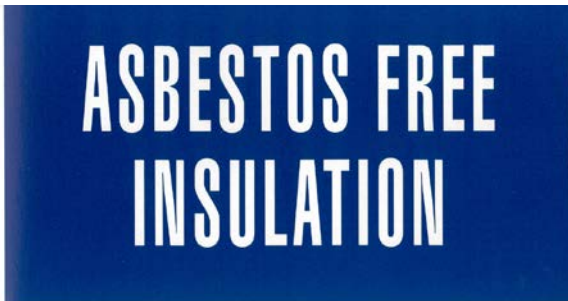
Label 3 – Asbestos containing fitting material label for utility systems.
(Black lettering on yellow background)



Label 4 – Asbestos containing ceiling material label (i.e. spray-on ceiling)
(Black lettering on yellow background)



Label 5 – Label for asbestos containing material located above (Black lettering on yellow background)



Label 6 – Label for asbestos free material (White letter on Blue Background).



Label 7 - Asbestos Containing Material Directional Arrow (Black lettering on yellow background)



Label 8 – Asbestos Free Directional Arrow (White on Blue Background)