

4620.3580 GLOVE BAG PROCEDURES.

Subpart 1. **Application.** When a portion of a project includes the removal, encapsulation, or enclosure of less than 25 linear feet of asbestos-containing pipe lagging or less than ten square feet of asbestos-containing material per room, for that portion of the project the person performing abatement may use the glove bag procedures in this part instead of the procedures in parts 4620.3566 to 4620.3575, subparts 1 to 8.

In process areas of facilities not accessible to the general public and designated in Division B, D, or E of the 1987 edition of the Standard Industrial Classification Manual, asbestos-containing material may be abated in quantities up to 25 linear feet or ten square feet for each 15,000 square foot area of floor space using the glove bag procedures in this part instead of the procedures in parts 4620.3566 to 4620.3575, subparts 1 to 8. Division B, D, and E of the 1987 edition of the Standard Industrial Classification Manual are incorporated by reference and are not subject to frequent change. A copy of this material is available from the State Law Library, Minnesota Judicial Center, 25 Rev. Dr. Martin Luther King Jr. Blvd., St. Paul, MN 55155, or for loan or inspection from the Barr Library of the Minnesota Department of Health or through the Minitex interlibrary loan system.

Subp. 2. **Placement of remote decontamination unit.** A remote decontamination unit must be available for any individual performing the glove bag operation before the glove bag is set up. The remote decontamination unit must be used whenever the individual leaves the asbestos work area. The remote decontamination unit must be:

- A. placed within 20 feet of the glove bag operation; or
- B. used with the procedures in subitems (1) and (2) to prevent contamination of any area between the glove bag operation and the remote decontamination unit.

(1) For an individual wearing a single layer of protective clothing, before leaving the asbestos work area, the individual must use a HEPA-filter equipped vacuum to remove contamination from protective clothing and exposed body surfaces. A clean second layer of protective clothing must be placed over existing protective clothing before proceeding to the remote decontamination area.

(2) For an individual wearing two layers of protective clothing, before leaving the asbestos work area, the individual must use a HEPA-filter equipped vacuum to remove contamination from the outer layer of protective clothing and exposed body surfaces. The individual must then remove the outer layer of protective clothing before proceeding to the remote decontamination unit.

Subp. 3. **Remote decontamination unit.** For each glove bag operation, a remote decontamination unit must be used that complies with part 4620.3569, subparts 1, items B to D, and 2.

Subp. 4. **Glove bag set-up procedure.** For each abatement project using a glove bag, the glove bag procedures in this subpart must be followed.

A. Before the glove bag operation begins, the area within ten feet of the glove bag operation must be cleaned using a HEPA-filter equipped vacuum, wet wiping, or both, until no dust nor debris is visible.

B. Polyethylene sheeting of at least one layer of six-mil or comparable material must be placed on the floor below the glove bag operation.

C. Glove bags must be constructed of transparent six-mil polyethylene.

D. If a glove bag is to be used on one portion of a continuous section of damaged or significantly damaged thermal system insulation, the entire section of damaged or significantly damaged thermal system insulation must be sealed in two layers of six-mil polyethylene sheeting. Edges of the sheeting must be secured with tape.

E. The glove bag must be attached so asbestos-containing material adjacent to the glove bag is not disturbed during glove bag preparation.

F. Removal and encapsulation of asbestos-containing material must be done inside the glove bag.

G. All openings in the glove bag, including openings from insertion of tools, sprayers, or HEPA-filter equipped nozzles must be securely sealed with tape before removal or encapsulation begins.

H. Before removal or encapsulation begins, the glove bag must be smoke tested for any breach in the seal.

(1) The smoke must be released inside the glove bag.

(2) To test the seal of the glove bag, pressure must be applied to the outside of the glove bag.

(3) The glove bag must be visually inspected for smoke leaking or escaping from the glove bag, with attention given to the seams of the glove bag and points of attachment.

(4) All detectable leaks must be repaired with tape before removal or encapsulation of the asbestos-containing material.

Subp. 5. **Asbestos removal or encapsulation.** For each abatement project using a glove bag, the procedures in this subpart must be followed for the removal or encapsulation of asbestos-containing material using a glove bag.

A. Sliding the glove bag during or following asbestos removal or encapsulation is prohibited.

- B. A glove bag must not be used more than once.
- C. Asbestos-containing material must be adequately wet at all times during removal.
- D. An airless or Hudson-type sprayer must be used to wet the asbestos-containing material.
- E. Surfaces from which asbestos has been removed must be cleaned with a brush and wet wiped until no visible asbestos-containing material remains.
- F. All exposed asbestos-containing material within the glove bag must be encapsulated with an encapsulant before the glove bag is removed according to part 4620.3572.
- G. A visual inspection of the abated surface within the glove bag must be performed before the glove bag is removed. The glove bag operation is not complete until all visible asbestos-containing material is removed or encapsulated.

Subp. 6. **Completion of glove bag operation.** Every glove bag operation must be completed according to the procedures in this subpart.

A. Before the glove bag is removed, the interior surfaces of the glove bag must be cleaned using an airless or Hudson-type sprayer until no visible residue is seen on the top and vertical sides of the glove bag.

B. Tools must be removed from the glove bag as specified in this item.

(1) With hands in the gloves, tools must be grabbed and the gloves pulled inside out.

(2) The air in the glove bag must be evacuated using a HEPA-filter equipped vacuum.

(3) With the tools in them, the glove must be twisted and sealed with tape. The glove must then be cut off by cutting across the middle of the tape.

(4) The glove containing the tools must be labeled as asbestos-containing material.

(5) The glove containing the tools must be opened only inside another glove bag, decontamination unit, containment, or when submerged under water.

(6) The glove containing the tools, if transported off site, must be placed in a leak-tight container and labeled as asbestos-containing material.

(7) That portion of the sprayer that was inside the glove bag must be wet wiped as it is pulled out of the glove bag. The hole resulting from removal of the sprayer must immediately be sealed with tape.

- C. The glove bag must be collapsed using a HEPA-filter equipped vacuum.
- D. After the glove bag is collapsed, the glove bag must be squeezed tightly as close to the top of the glove bag as possible, twisted, and bound with tape.
- E. The glove bag must then be cut from the pipe or other facility component and placed in a leak-tight container and the container handled according to part 4620.3575, subpart 9.
- F. The area beneath the glove bag operation must be inspected for any dust or debris resulting from the glove bag operation.
- G. Dust and debris from the glove bag operation must be assumed to be asbestos-containing material and must be cleaned using a HEPA-filter equipped vacuum or wet wiped.
- H. The six-mil polyethylene sheeting must not be reused. The sheeting must be bagged, labeled as asbestos-containing waste, and handled as specified in part 4620.3575, subpart 9.

Subp. 7. **On-site handling of asbestos-containing waste.** On-site handling of asbestos-containing waste from a glove bag operation must comply with part 4620.3575, subpart 9.

Statutory Authority: *MS s 144.05; 326.70 to 326.81*

History: *20 SR 2765; 33 SR 739*

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