

ASBESTOS STANDARD REQUIREMENTS

OSHA STANDARD - 1910.1001

Effective 1976

I. PERMISSIBLE EXPOSURE LIMITS (PEL)

8 Hour TWA: 2.0 fibers (>5mM)/cc

Ceiling: 10 fibers (>5mM)/cc

II. PARTICULAR TOOLS

Hand operated tools producing/releasing asbestos fibers in excess of PEL SHALL BE provided with local exhaust ventilation systems.

III. WORK PRACTICES

- A. Wet Methods - Asbestos must be handled in a wet state sufficient to prevent the emission of fibers in excess of the PEL.
- B. Particular Products & Operations - No asbestos containing material shall be removed from containers in which it was shipped without either being wetted or enclosed to prevent fiber release
- C. Spraying, Demolition, or Removal - Employees engaged in demolition activities SHALL BE provided with and required to wear respiratory protection and protective clothing.

IV. PERSONAL PROTECTIVE EQUIPMENT

A. Respiratory ProtectionAIRBORNE CONCENTRATION
OF ASBESTOS (TWA)Up to 20 fibers/cc
(10 x PEL)Up to 200 fibers/cc
(100 x PEL)RESPIRATOR REQUIREDReusable or Single
use air purifying
respiratorFull face or powered
air purifying
respirator

IV. PERSONAL PROTECTIVE EQUIPMENT CONTINUED

A. Respiratory Protection

AIRBORNE CONCENTRATION
OF ASBESTOS (TWA)

RESPIRATOR REQUIRED

Greater than 200 fibers/cc

Type "C" Supplied
air respirator
(Continuous flow
or pressure demand)

NOTE: All employees must have physician's determination
of ability to wear respiratory protection.

Employer must have respiratory protection program
in accordance with the ANSI Z88.2 standard as well
as 1910.134.

- B. Special Clothing - Must be worn by all exposed in
excess of Ceiling limit (coveralls, head covering,
gloves, and foot coverings). Contaminated clothing
must be disposed of in sealed labeled containers.

V. MONITORING

- A. Personal Monitoring - for both 8 hour TWA and Ceiling
determinations.
- B. Environmental Monitoring - for both 8 hour TWA and
Ceiling determinations.

VI. CAUTION SIGNS & LABELS

- A. Required where levels exceed PEL.
- B. Posted at all approaches to areas containing
excessive concentrations of airborne asbestos fibers.
- C. Posted at such a distance as to allow employee to
read and take necessary protective steps before
entering areas marked by the signs.
- D. See 1910.1001 g. ii for sign specifications.

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VI. CAUTION SIGNS & LABELS CONTINUED

- E. Caution labels must be affixed to all scrap, waste, or debris containing asbestos fibers or to their containers.
- F. See 1910.1001 g. 2. ii for label specification.

VII. HOUSEKEEPING

- A. Cleaning - all external surfaces shall be kept free from accumulations of asbestos fibers.
- B. Waste Disposal procedures shall be according to established plant procedures.

VIII. TRAINING

- A. Minimum training is to include:
 - (1) Health effects associated with asbestos exposure.
 - (2) Relationship between asbestos and smoking in producing lung cancer.
 - (3) Jobs/Tasks that could result in exposure to asbestos and necessary protection steps to minimize exposure.
 - (4) Purpose, proper use, fitting instructions and limitations of respirators permitted by standard.
 - (5) Review of standard requirements.

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