

SAFETY & FIRE PROTECTION DIV.	
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Clinton, Iowa
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ASBESTOS DUST CONTROL

A review has been made of the requirements, procedures, and equipment needed to comply with the Occupational Safety and Health Act regarding exposure to asbestos dust. The law deals with the following major areas:

- (1) Permissible concentrations of asbestos fibers
- (2) Methods of compliance
- (3) Warning signs & labelling
- (4) Monitoring
- (5) Medical examinations
- (6) Record keeping

1 - Permissible concentrations of asbestos dust

Clarify & expand per S47, Sec. 2.3. verify defined ceiling, p 547. The limit of occupational exposure to eight hours of asbestos dust must not exceed five fibers longer than five microns per cubic centimeter. (Concentrations above five fibers but not to exceed ten fibers are permitted up to fifteen minutes/hr.) *(cut of dust)*

To determine what the asbestos dust exposure is in pipe coverer's work areas, a 9L49 work order is being processed to purchase a Bendix C115 Personnel Monitor. This sampler is recommended by Frank Fuller, ESD, and is available thru the Polymer Intermediates Dept. of the Company at a 10% price discount. Delivery is estimated at three weeks.

2 - Methods of compliance

Reducing the creation and dispersion of asbestos dust is the best method of compliance. To achieve this reduction the following items are proposed:

A - Wearing of respirators by all maintenance personnel when working with (or in the immediate area of) asbestos insulation material. To implement this proposal, six H.S.A. Dustfoe # 77 respirators and appropriate filters are on order (November 1st delivery).

(Sec. 2.4.2) S47 requires supplied air respirators for all dismantling work insulatorally and for other exposures exceeding 10x the TWA. Mechanical filter type respirators could be permitted only where exposures have been measured and confirmed to be less than 10x the TWA or ceiling concentration. Should also check for ceiling values - but some are hanging up on this.

no sketch attached. Provide a separate room, complete with a separate exhaust system, for the fabrication of asbestos insulation (see attached sketch). This "asbestos room" would contain lockers for each pipe-cover's coveralls, a Torit down-draft work bench, and new band saw (\$ 700). The lockers would be vented to the room exhaust system as would the work bench and band saw.

Separate for Street clothes & work clothes?

Shouldn't there be some sort of decontamination of Street clothes?

(S47 not specific but I believe this is its intent.)

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