

ETHYL CORPORATION

INTER-OFFICE

MAR 19 1979

To D. G. Goates ADDRESS Houston Plant

FROM P. J. Sanders ADDRESS Houston Plant

SUBJECT Insulation Removal - Na Building DATE March 13, 1979

The following is intended as a supplement to my letter to you dated January 29, 1979.

The insulating material removed from the line used to transfer sodium from the #1 filter to the weigh tank contained 2% asbestos.

The samples collected to represent the exposure of the two carpenters who used saws to cut away segments of the insulation showed concentrations of 1.7 and 3.2 asbestos fibers >5 microns in length per cubic centimeter of air. These peak concentrations occurred during 25 and 19 minute periods, and therefore, should be considered in relation to the OSHA ceiling limit of 10 fibers/cc. Eight hour time weighted average exposures, assuming no other occupational exposure to asbestos, were calculated to be .01 fibers/cc. The current OSHA standard is 2 fibers/cc as an eight hour TWA.

The samples collected on 1/17 to represent the exposure of the carpenters during the stripping of the insulation and clean-up of the work area were 0.4 and 0.3 fibers/cc averaged over the 115 minutes they worked with this material. Calculated eight hour TWA's were less than 0.1 fibers/cc, assuming no other exposure to asbestos.

Bulk samples obtained from the insulating material of lines from the #2 and #3 filters to the weigh tank are composed of 4% amosite asbestos. Proper precautions should be taken if it becomes necessary to remove these lines.

Jae
P. J. Sanders

PJS:bto

cc: W. F. Armstrong/A. O. Wikman J. T. Rucker
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