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Tabershaw-Cooper Associates

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To: Mr. Walter Fickthall

From: Tabershaw-Cooper Associates

Re: Preliminary examination of air moving systems lined with
cementitious fireproofing materials.

The table below summarizes the range of fiber counts from
several systems:

Area	Range of asbestos in fibers/liter
Outside ambient air	0.3 - 1.4
Filtered air	0.4 - 0.7
Returned air from plenums lined with cementitious material	0.6 - 2.7
Air supplied to work area	0.4 - 1.2

The method used for determining the airborne concentrations of
asbestos fibers was as follows: Portions of Millipore (type AA) filters
were mounted on slides, cleared with a mounting medium, and the fibers
in 100 microscopic fields counted, using phase contrast microscope at a
magnification of 430X. The numbers of asbestos fibers seen were converted
to concentrations, expressed in fibers per milliliter (or per liter in some
cases), taking into account the area counted, the flow rate, and the sampling
time.

Although the samples studied so far do not show very many asbestos
fibers, the probable differences between systems, workmanship, and materials
are so great that no conclusions are yet warranted regarding the
general problem of erosion.

*copy of findings
and laboratory*

*return
system*

Table may be 5000

0.6 - 2.7