

3708 COLUMBUS AVENUE
SANDUSKY, OHIO 44870
(419) 627-1976

Nov. 19, 1975.

Eaton Air Flex
Attn: Mr. Steve Trukalo
9919 Clinton Rd.
Cleveland, Ohio 44111

Mr. Trukalo:

Enclosed are the results of the recent asbestos sampling performed at your plant on Nov. 12, 1975.

A total of 7 air samples were collected on filter paper and then the asbestos was determined using a phase contrast microscope at 430x magnification (method used is recommended by NIOSH).

All samples were collected using Bendix model 115c personnel air samplers with millipore preloaded filter cassettes. The samples were taken as follows:

Sample#	description	flow rate	time
1	Alfred Gucum - Drilling	2.8 LPM	0915-1010
2	Drilling Area	2.6 LPM	0915-1010
3	Mike Krasula - Burr Bench	2.8 LPM	0920-1030
4	Burr Bench Area	2.8 LPM	0920-1030
5	Dynamometer Lab Area	2.6 LPM	0935-1040
6	" "	2.8 LPM	1040-1054
7	Jeff Willetts - Cutting & Sanding	2.8 LPM	1040-1054

Samples 1, 3, and 7 were personnel samples and represented the workers breathing zone air concentration. Samples 2, 4, 5 and 6 were general area samples. #2 was taken approximately 10 feet from Mr. Gucum. #4 was taken in the general area (10 to 15 feet) from Mr. Krasula. Sample #5 was taken in the dynamometer lab prior to Mr. Willetts cutting and sanding of a small piece of asbestos. Sample #6 was taken at the same location as #5 during the cutting and sanding operation. Sample #7 represents the air concentration during the actual cutting and sanding operation. Visually it appears that most of the dust was generated during the sanding (belt sander) operation. Mr. Willetts performed the sanding outside of the vented area in an attempt to duplicate previous levels. If the sanding was performed inside the vented area it would have resulted in much lower levels on samples 6 and 7.



SCF-EC-1575

FAW-10857

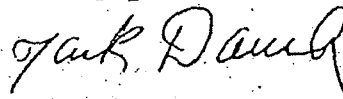
OCCUPATIONAL HEALTH SERVICES

Sample#	asbestos concentration (fibers/cubic centimeter >5.0u)
1	.33
2	.10
3	.18
4	.06
5	.03
6	.31
7	6.60

The current limit for asbestos is 5 fibers/cm³ >5.0u in length. This is a time weighted limit based on an 8 hour average exposure. On July 1, 1976 this limit will be reduced to 2 fibers/cm³ >5.0u. Under the current limit and based on the 2 fibers/cm³ (time weighted limit) the sample results indicate the air concentrations are acceptable. The sample #7 represents the air concentration during the complete operation which only lasted 14 minutes thus on a time weighted average Mr. Willetts exposure would be well under 2 fibers/cm³. In addition this sample was taken with the grinder outside of the vented area. This was done to determine previous air levels prior to the venting of the sander. All future grinding should be performed in the vented area.

It should be pointed out that the limits for asbestos will become 2 fibers/cm³ in July 1976 and that a proposed further reduction (Oct. 9, 1975 29CFR 1910.1001) is being considered. The proposed limit would reduce the level to 1 fiber per cubic centimeter for an 8 hour time - weighted average with a ceiling limit of 5 fibers/cm³ over a 15 minute period.

Sincerely yours,



Jack Dauch, Manager
Occupational Health Services

JD/nd