



DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Consumer Protection and Environmental Health Service
Environmental Control Administration

XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX
1014 BROADWAY
CINCINNATI, OHIO 45202

REFER TO:

February 28, 1969

NOTE: THIS DOCUMENT IS
NOT FOR DISTRIBUTION

Mr. J. W. McMillan
Works Manager
Pittsburgh Corning Company
Tyler, Texas 75701

Dear Mr. McMillan:

As part of our continuing environmental studies of asbestos processing plants we have prepared the attached table giving numbers of people in our study who are exposed to various concentration ranges of asbestos dust.

The concentrations are given in fibers/ml longer than 5µ so that they may be compared with the standards (ACGIH TLV and British Occupational Hygiene Society Hygiene Standard) expressed in these terms. From these standards one would gather that concentrations below 2 fibers/ml are probably safe, and concentrations above 12 fibers/ml are probably hazardous. You will note that most of the exposures are already below 12 fibers/ml.

You should have copies of our reports on your plant in your files. If they have been misplaced, or you wish further information, please let us know. (Where >5µ concentrations are not listed you may assume that these are double the >10µ fiber concentrations)

One can see that less than 10% of the workers are now exposed to concentrations above 12 fibers/ml. If exposures above this level now exist in your plant, we hope that every effort can be made to reduce them.

Sincerely yours,

Howard E. Ayer
Chief, Environmental Activities
Field Studies
Bureau of Occupational Safety
and Health

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Attachment

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February 26, 1969

Bureau of Occupational Safety and Health Asbestos Products Study

PEOPLE EXPOSED TO ASBESTOS FIBERS*

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CONCENTRATION CATEGORY
($> 5\mu$ FIBERS/ML)

	<u>0-0.4</u>	<u>0.5-1.9</u>	<u>2.0-3.9</u>	<u>4.0-10.0</u>	<u>10.1-12.</u>	<u>12.1-50.</u>	<u>G.T. 50.</u>	<u>OFFICE</u>	<u>UNKNOWN**</u>	<u>TOTAL</u>
TEXTILE	16	283	638	558	97	246	2	364	311	2515
EXCAVATION	7	579	533	338	0	55	0	127	173	1812
PIPE	98	858	323	275	4	20	0	254	125	1957
SINGLE	146	271	239	16	0	0	0	0	134	806
EMULSION	19	83	20	34	0	37	73	0	91	357
WORKING	<u>231</u>	<u>47</u>	<u>18</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>89</u>	<u>385</u>
TOTALS	517	2121	1771	1221	101	358	75	745	923	7832

*This table derived from information on plants 1-36, except 6 and 21-24.

**Unknown category consists of workers for which there is no exposure information due to;
1) no sampling of a given occupation in a given plant, 2) an unidentified occupation code,
or 3) no occupation information given.

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