

June 19, 1973

Mr. Robert Remington
Allied Materials Corporation
Drawer G
Stroud, Oklahoma 74079

Dear Bob:

The results of my walk-through survey of the refinery division indicates that an indepth survey of Allied would not be necessary. Table A clearly shows that the 8-hour time-weighted average airborne concentrations of asbestos does not exceed the present standard of five fibers longer than five (5) micrometers per cubic centimeter of air. Table B shows the fiber size distribution by length. You should note that 94% of the fibers sized are 5µ or greater, and 66% are 10µ or greater in length.

Effective July 1, 1976, the 8-hour time-weighted average airborne concentration of asbestos fibers to which any employee may be exposed shall not exceed two fibers, longer than five (5) micrometers per cubic centimeter of air. This proposed standard change could possible affect some of your operations.

The sound pressure level measurements identified your noise problem areas. Most of these problem areas can be corrected through engineering controls. However, the extremely high sound pressure levels measured during oven cleaning operations could be controlled through administrative techniques and personal protective equipment.

The two bulk samples were submitted to our laboratory for qualitative identification. Both samples were analyzed by infrared and thermal techniques. Sample No. 070656 was found to be essentially pure amorphous silica and sample No. 070657 to be pure chrysotile asbestos.

Thank you for your help and cooperation during my visit and if you are in need of further assistance do not hesitate to contact me.

Sincerely yours,

Joseph A. Seta, Eng'ring Technician
Industrial Hygiene Sampling Branch

TABLE A

<u>Sample No.</u>	<u>Location</u>	<u>Concentration</u>
A-1	Bauxite Unloading	4.33 fibers/cc
A-2	Mixing Kettles	0.42 fibers/cc

TABLE B

<u>Length in Micrometers</u>	<u>% of Fibers Sized</u>
2 μ	2%
3 μ	4%
5 μ	13%
7 μ	15%
10 μ	15%
14 μ	7%
19 μ	7%
> 19 μ	37%