Ok for 96

PLAINTIFF'S EXHIBIT

UC-2902

AIRBORNE FIBER COUNTS

for

American Biltrite Rubber Company
Trenton, New Jersey

March 1, 1972

Sampling & Counting by: Mr. P. W. McDaniel
Industrial Hygienist
Union Carbide Corporation

Reported by: Mr. J. L. Myers
Marketing Manager
"Calidria" Asbestos
Union Carbide Corporation

UNION CARBIDE CORPORATION
Mining and Metals Division
Niagara Falls, New York

A23874

UCC 015971

AIRBORNE ASBESTOS FIBER COUNTS

DESCRIPTION OF PLANT AND TESTS

The tests were conducted in an average size floor tile plant. Vinyl/asbestos floor tile was being produced, as well as "chips" and other flooring products.

Asbestos and other dry materials such as limestone, pigments, resin, etc., are added to a charge hopper or blender. The mixture of raw materials is then dumped into a Banbury or similar type of high shear mixer.

All asbestos involved during the tests was open fiber Canadian.

In general the plant seemed very dusty and samples were collected from typical work areas which appeared to be the most likely sources of airborne asbestos. Local ventilation was in operation in equipment areas.

Samples were collected under the direction of a qualified Industrial Hygienist on Millipore filter paper by the use of battery-powered air pumps. The samples were examined for fiber content by a qualified Industrial Hygienist using the microscopic procedure recommended in the proposed OSHA regulations recorded in the Federal Register on January 12, 1972.

TEST RESULTS

It must be recognized that the following data represent a very small number of samples taken over a short interval of time. No general conclusions can be drawn about average fiber counts or other dust levels.

All samples except one had fiber counts less than the emergency OSHA standard of 5 fibers/ml greater than 5 microns.

Sample Location	No. Fibers*
(1) Inside railroad boxcar during manual handling of bags of Canadian asbestos	21.09
(2) At breathing zone of operators adding asbestos and other raw materials to Banbury charge hopper	1.28
(3) Background on platform at blender (no operation)	0.54
(4) Same as (3) while adding asbestos from bags	2.03
(5) Aisleway between 2 Banbury lines	0.75
(6) Aisleway in back of line	1.41
(7) At finished tile cut-out machine	1.11

*No. fibers > 5μ per ml. air

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