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Data Sheet
Trenton Chemical Plant

Asbestos Survey
APRIL 1974

<u>Job Description</u>	<u>Asbestos Fiber Concentration*</u>
Current TLV	5.0
1976 TLV	2.0
Friction Products Building	
Research and Development Laboratory:	
(44) Disc sander - table model Personal air sample	23.8
(45) Disc sander - loaded sample 12 inches from disc	51.2
(46) Center of Laboratory General area	0.5
(47) Belt sander - table model Personal air sample	0.2
(48) Belt sander - loaded sample 9 inches from belt	0.9

* Asbestos fiber concentrations are given in fibers (greater than 5 microns in length) per cubic centimeter.

CHRYSLER 001220



June 7, 1974

S. C. Euders
Plant Manager

Plant Manager

S. J. Mathews
(Chemical)Trenton
Chemical

437-03-0

S. J. Mathews

Industrial Hygiene

Personnel

Chrysler
Center

417-05-1

Subject:

ASBESTOS FIBER STUDY

During the month of April, 1974, a study was made of employee exposures to airborne asbestos fibers in the Friction Products and the Chemical Buildings. The results of this study are detailed on attachment A.

Excessive employee exposure to asbestos fibers was found only in the R & D Laboratory and at Pipe #1 in the Friction Products building. The excessive concentration of asbestos dust at Pipe #1 was not found to be consistently excessive because subsequent sampling indicated fiber concentrations below the current threshold limit value.

The major exposure was caused by the use of the sander in the R & D Laboratory. The sander is not to be used until improvements are completed. OSHA regulations state that no employee is to be exposed, for any time, to asbestos fiber concentrations in excess of 10 fibers per cubic centimeter unless respiratory protection is worn. A fiber concentration as high as 24 fibers per cubic centimeter was obtained at breathing level of an employee operating the sander. Employee exposure was found to be intermittent when intermittent exposures exceeds 10 fibers per cubic centimeter.

E. J. Mathews
E. J. Mathews
Industrial Hygienist

Enc
Attachments

cc: G. D. Benson ✓
R. F. Bowers ✓
D. L. Eschelbach ✓
J. A. Lardie ✓
E. R. Lombard ✓
N. McGillis ✓
G. A. Sartelmeier ✓
bc: F. A. Burnett ✓

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