

June 7, 1974

C. D. Diers

Plant Manager

Assembly
(Chemical)

Trenton
Chemical

453-03-01

F. J. Mathews

Industrial Hygiene

Personnel

Glyndar
Center

417-05-11

Subject

ASBESTOS FIBER SURVEY

**PLAINTIFF'S
EXHIBIT
CHR-97**

During the month of April, 1974, a survey 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 Bipel #1 in the Friction Products building. The excessive concentration of asbestos dust at Bipel #1 was not found to be consistently excessive because subsequent sampling indicated fiber concentrations below the current threshold limit value.

The main area of concern is the dust created by the use of the disc sander in the R & D Laboratory. Improved ventilation control must be provided at this operation. 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 notification of exposure is required when intermittent exposures exceeds 10 fibers per cubic centimeter.

E. J. Mathews

E. J. Mathews
Industrial Hygienist

En

Attachments

cc: G. D. Benson ✓
R. F. Bowers ✓
D. L. Escheibach ✓
J. A. Hardie ✓
E. R. Lillard ✓
N. McCallum ✓
G. A. Sattelmeyer ✓

bc: F. A. Burnett ✓

**PLAINTIFF'S
EXHIBIT
NO. CH-17**

Data Sheet
Trenton Chemical Plant

Asbestos Survey

~~1976~~ 1976
APRIL

Job Description

	Current TLV 1976 TLV	Asbestos Fiber Concentration*
Friction Products Building		5.0
(1) #1 Bipel operator, 1st shift Personal air sample		2.0
(2) Repeat of (1) Personal air sample		3.1
(3) Repeat of (1) on 2nd shift Personal air sample		2.0
(4) #1 disc pad press operator Personal air sample		0.8
(5) General area sample by Bipel #2		1.0
(6) #3 Bipel operator Personal air sample		2.1
(7) #5 Bipel operator Personal air sample		2.9
(8) #6 Bipel operator Personal air sample		1.5
(9) General area sample by Bipel #6		0.6
(10) #7 Bipel operator Personal air sample		1.0
(11) #8 Bipel operator Personal air sample		1.2
(12) Bay E8, Mopar grinder Personal air sample		0.2

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Data Sheet
Trenton Chemical Plant

Asbestos Survey
1974

<u>Job Description</u>	<u>Asbestos Fiber Concentration*</u>
Current TLV	5.0
1970 TLV	2.0
Friction Products Building	
(13) Bay E8, Proof testing-Mopar Line	2.2
(14) Bay E6, Packing-Mopar Line Personal air sample	4.0
(15) Bay E8, Mopar Line General area sample	0.7
(16) Bay F8, under transfer point of screw conveyor, no spillage General area sample	0.3
(17) Bay C8, disc pad grinder, Line 3 Personal air sample	2.1
(18) Bay C8, disc pad inspector, Line 3 Personal air sample	1.2
(19) Bay C8, Line 3 and B2 General area sample	1.2
(20) Bay C8, brake shoe grinder, Line B2 Personal air sample	2.0
(21) Bay C8, inspector and packer, Line B2 Personal air sample	3.5
(22) Bay D7, belt sander Personal air sample	0.1
(23) Bay F5, press and saws operator Personal air sample	0.4
(24) Bay B5, packing shoe linings on pallet Personal air sample	0.5

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Data Sheet
Trenton Chemical Plant

Asbestos Survey
APRIL 1970

<u>Job Description</u>	<u>Asbestos Fiber Concentrations*</u>
Current TLV	5.0
1970 TLV	2.0
Friction Products Building	
(25) Bay E3, loading racks with brake shoe linings Personal air sample	0.3
(26) Bay D5, adjacent to (23) General air sample	0.4
(27) Bay E5, balcony-hammer mills General air sample	1.1
(28) Bay C3, extruders General air sample	0.5
(29) Bay E2, weigh-up Personal air sample	0.4
(30) Bay E2, weigh-up Personal air sample	0.8
(31) Bay E2, down wind from weigh-up General air sample	1.1
(32) #4 skip hoist box loader Personal air sample	0.5
(33) Right of #4 skip hoist General air sample	0.3
(34) Left of #4 skip hoist General air sample	0.3
(35) Unloading #4 mixer Personal air sample	4.0
(36) 10 feet southwest of #4 mixer General air sample	1.1
(37) #1 skip hoist box loader General area sample	0.4

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Data Sheet
Trenton Chemical Plant

Asbestos Survey
APRIL 1974

<u>Job Description</u>	<u>Asbestos Fiber Concentrations *</u>
Current TLV	5.0
1970 TLV	2.0
Friction Products Building	
(38) Indoor-Outdoor trucker	0.5
Personal air sample	
(39) Janitor on Tennant sweeper	0.6
Personal air sample	
Chemical Building	
(40) Rico mixer-loading	0.4
Personal air sample	
(41) Rico mixer	0.1
General air sample	
(42) Day blender-loading	0.2
Personal air sample	
(43) Day blender	0.1
General air sample	

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

Data Sheet
Trenton Chemical Plant

Asbestos Survey
APRIL 1974

<u>Job Description</u>	<u>Asbestos Fiber Concentration*</u>
Current TLV	5.0
1974 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.