



Inter Company Correspondence

To-Name & Department		File Code	Date	Plant/Office	CIMS Number
S. C. Enders Plant Manager		Stamping & Assembly	June 30, 1977	Trenton Chemical	453-6
D. P. Glazier Industrial Hygiene		Employee & Indus. Relat.		Chrysler Center	417-05-1

Subject: SEMI-ANNUAL ASBESTOS SURVEY

EXHIBIT

CHR-45

During April and May 1977, the writer conducted the OSHA required semi-annual asbestos survey at the Trenton Chemical Plant. The results of this study are listed on the attached data sheets opposite the corresponding job or area location. The air samples identified with an asterisk on the data sheets were collected concurrently and immediately adjacent to air samples collected by representatives of the Michigan Department of Public Health (MIOSHA).

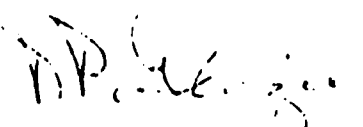
Note that only air sample (29) is in excess of the two fiber per cubic centimeter Permissible Exposure Limit. Industrial Hygiene recommends that "pad only" inspection operations be equipped with local exhaust ventilation. We feel that a downdraft system similar to the OEM grinder inspection ventilation would be feasible at the "pad only" inspection work stations. Personal protective equipment in the form of approved dust respirators is now required at the "pad only" inspection operations during the time period necessary to install the necessary engineering controls, CFR 1910.1001 (d). In regard to employee notification, CFR 1910.1001 (i)(3), Industrial Hygiene does not believe that any notification of excessive exposure is required because the affected individual (R. Smith 4414) was wearing an approved respirator at the time of this survey.

Although air sample (24) was not in excess of the Permissible Exposure Limit, it was of sufficient magnitude to generate a second MIOSHA evaluation on May 25, 1977, i.e., air sample (28). The elevated airborne asbestos levels observed on April 12, 1977 at the Myr oven aluminum gasket inspection and packing operation may have been partially caused by pedestal fans dispersing asbestos dust into the aluminum gasket inspection area from the adjacent Tennant sweeper dump station. Industrial Hygiene recommends that the Tennant sweeper dump station be relocated in a less congested area of the plant. If relocation of the dump station does not reduce the airborne asbestos levels at the Myr oven packing and aluminum gasket inspection work station, additional controls such as local exhaust ventilation will have to be evaluated.

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Re: SEMI-ANNUAL ASBESTOS SURVEY

Please be advised that OSHA Regulations, CFR 1910.100, (f)(2)(ii), require additional monitoring at any new work stations where exposure to asbestos may reasonably be foreseen to exceed the Permissible Exposure Limit.


D. P. Glazier
Industrial Hygienist

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Attachments

cc: L. F. Andre
G. D. Benson
F. A. Burnett
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Data Sheet
Trenton Chemical

ASBESTOS
June 1977

<u>Location</u>	<u>Concentration</u> (fibers, greater than five microns in length, per cubic centimeter of air)
OSHA PERMISSIBLE EXPOSURE LIMIT	2.0
1)* Personal air sample, #1 Bipel operator, Time-weighted average concentration	1.7
2) Personal air sample, #2 Bipel operator	1.2
3)* Personal air sample, #3 Bipel operator, Time-weighted average concentration	1.1
4) Personal air sample, #4 Bipel operator	0.5
5) Personal air sample, #5 Bipel operator	0.3
6)* Personal air sample, #6 Bipel operator, Time-weighted average concentration	1.5
7) Personal air sample, #7 Bipel and #25 Hot press operator	1.3
8) Personal air sample, #8 Bipel and #27, #28 Hot press operator	1.8
9) General air sample, Bay F-6, directly adjacent to the #25 Hot press	0.3
10) General air sample, Bay F-4, directly adjacent to the #15 Hot press	0.7
11) Personal air sample, #11 and #12 Hot press operator	1.6
12) Personal air, sample, 4-pack line, disc brake shoe inspection and packing	0.3

Data Sheet
Trenton Chemical

ASBESTOS
June 1977

<u>Location</u>	<u>Concentration</u> (fibers, greater than five microns in length, per cubic centimeter of air)
OSHA PERMISSIBLE EXPOSURE LIMIT	2.0
13) General air sample, Bay D-5, directly adjacent to the welding exhaust fan in the maintenance crib	0.2
14) General air sample Bay #9, directly underneath the screw conveyor	0.1
15)* Personal air sample, Barker Permafuse operator	0.6
16) Personal air sample, #1 proof test operator	0.3
17) Personal air sample, #2 proof test operator	0.3
18) Personal air sample, #3 proof test operator	0.6
19) Personal air sample, #1 proof test and flat finish inspector	0.5
20) Personal air sample, #3 proof test and flat finish inspector	0.7
21) Personal air sample, OEM grinder operator	0.2
22)* Personal air sample, inspection and packing on the OEM line, Time-weighted average concentration	0.3
23) General air sample, Bay A-7, approximately 12 feet west of the OEM grinder	1.0
24)* Personal air sample, Myr oven aluminum gasket inspection and packing, Time-weighted average concentration	1.9

Data Sheet
Trenton Chemical

ASBESTOS
June 1977

<u>Location</u>	<u>Concentration</u> (fibers, greater than five microns in length, per cubic centimeter of air)
OSHA PERMISSIBLE EXPOSURE LIMIT	2.0
25)* Personal air sample, load and unload at #3 and #4 saw lines, Time-weighted average concentration	0.3
26)* Personal air sample, load and unload at #3 and #4 saw lines, Time-weighted average concentration	0.5
27)* Personal air sample, aluminum gasket application at the K101 spray hood, Time-weighted average concentration	0.2
28)* Personal air sample, Myr oven aluminum gasket inspection and packing (see air sample 24) Time-weighted average concentration	0.9
29) Personal air sample, pad only inspection, Time-weighted average concentration - <u>wearing 3M 8710</u> respirator	2.1
30) Personal air sample, pad only inspection, Time-weighted average concentration	0.9
<u>CHEMICAL BUILDING</u>	
31) Personal air sample, loading 28 bags of Calidria resin grade Asbestos into the Day Blender	0.1

All determinations of airborne asbestos fiber concentrations were made by the Industrial Hygiene Laboratory using the membrane filter method at a magnification of 430X with phase contrast illumination.