W. Pardonnette

Inter Company Correspondence

January 27, 1976

Detroit [illegible]

From: J. W. Murphy — Plant Manager — Gen. Mfg. — [illegible]

D. P. Glazier — Industrial Hygiene — Employee & Indus. Relat. — Chrysler Center — [illegible]

Subject: SEMI-ANNUAL ASBESTOS SURVEY

PLAINTIFF'S EXHIBIT CHR-101

In compliance with Section 1910.93a, Asbestos, of the OSHA Rules and Regulations, the writer conducted the required semi-annual survey during the month of December, 1975. All determinations of airborne asbestos fiber concentrations were made by the Chrysler Corporation Industrial Hygiene Laboratory using the OSHA dictated membrane filter method. The individual results of this survey are listed on the attached data sheets opposite the corresponding job or area description.

Air samples (3), (4), and (27) were found to be in excess of the July 1, 1976 OSHA standard of two fibers per cubic centimeter of air. Only sample (3) was found to exceed the current OSHA standard of 5 fibers/cc. In regard to air sample (3), Mr. R. C. Sprague's letter dated January 7, 1976 did fulfill the plant's obligation under Section 1910.93a (i)(3), Employee Notification by informing the affected employee of his exposure and by notifying the employee of the action taken to correct the condition contributing to his exposure. Air samples (3) and (4) were collected in the breathing zone of an employee who performed repair grinding at a belt sander which was located approximately ten feet from the exit of the #1 brake shoe oven. Subsequent investigation of the duct work servicing this belt sander revealed a mechanical blockage of the exhaust system. This condition was immediately corrected and the unit was removed from service on January 9, 1976. It is our understanding that the entire unit will be replaced in the near future. An exhaust system which is essentially similar to the attached A. C. G. I. H. sketch should provide good control at the new belt sander.

Industrial Hygiene will re-evaluate employee exposure to airborne asbestos dust at the belt sander when the new unit is installed.

Air sample (27) was obtained during the removal of asbestos waste from the dust collector which serves Department 78. It should be noted that this is an intermittent operation and that the result obtained is not indicative of an eight hour time weighted average. The employee who performed this operation was wearing an air purifying type respirator. This type of respiratory protective device is considered permissible for the concentration of asbestos fibers

PLAINTIFF'S EXHIBIT NO. CH-25

Re: Semi-Annual Asbestos Survey

which existed under the test conditions. Impeccable housekeeping standards are required at this work station in order to prevent the build-up of asbestos waste on work surfaces, which could cause excessive airborne levels due to their dispersion by air currents, fork lift traffic, etc.

All employees with an average asbestos exposure above 1 fiber [illegible] given a medical examination in accordance with Addendum I-10, Sec. II, 3 of the Corporate OSHA Review Guide.

DANIEL P. GLAZIER
Industrial Hygienist

dms
Attachments

cc: F. M. Borawski
F. A. Burnett
J. E. Harbour
J. J. Hayes
N. McCallum
W. M. O'Brien
R. C. Sprague

Data Sheet

DETROIT FORGE AND AXLE PLANT

Asbestos Survey

December 1975

Sample Location		Asbestos Fiber Concentrations*
Current OSHA Standard		5.0
July 1, 1976 OSHA Standard		2.0
Department 78		
(1)	Personal air sample, brass tag number 723 belt sander operator	0.1
(2)	Personal air sample, Rockwell Delta belt sander operator	0.1
(3)	Personal air sample, operator of the belt sander located approximately 10 ft. from the exit of the #1 oven	7.2
(4)	Personal air sample, repeat of sample (3) above	4.8
(5)	General air sample, directly adjacent to the exit of the #1 oven, Bay S19	0.2
(6)	Personal air sample, #134 XLO grinder operator	0.1
(7)	Personal air sample, #135 XLO grinder operator	0.1
(8)	Personal air sample, #55-0136 and 55-143 XLO grinder operator	0.1
(9)	Personal air sample, #550141 XLO grinder operator	0.1

Detroit Forge and Axle Plant

	Sample Location	Asbestos Fiber Concentrations*
	Department 78 - continued	
(10)	General air sample, directly adjacent to XLO grinder P2642, Bay S15	0.1
(11)	Personal air sample, unloading the #1 oven	0.1
(12)	Personal air sample, unloading the #1 oven	0.1
(13)	Personal air sample, unloading the #1 oven	0.1
(14)	Personal air sample, unloading the #2 oven	< 0.1
(15)	Personal air sample, unloading the #2 oven	< 0.1
(16)	Personal air sample, unloading the #2 oven	< 0.1
(17)	Personal air sample, loading the #1 oven	< 0.1
(18)	Personal air sample, loading the #1 oven	< 0.1
(19)	Personal air sample, loading the #1 oven	0.1
(20)	Personal air sample, loading the #2 oven	0.1
(21)	Personal air sample, loading the #2 oven	0.2
(22)	Personal air sample, transfer of brake linings on the west side of the #1 oven	1.0

Detroit Forge and Axle Plant

Sample Location		Asbestos Fiber Concentrations
Department 78 - continued		
(23)	Personal air sample, transfer of brake linings on the west side of the #1 oven	0.3
(24)	Personal air sample, glue room, glue application machine operator	0.1
(25)	Personal air sample, glue room, placing freshly glued linings on a conveyor	0.1
(26)	General air sample, glue room, adjacent to the doorway at breathing zone level. Bay Q 24	0.1
(27)	Personal air sample, baghouse shakedown, loading four cardboard boxes with asbestos dust (employee was wearing an air-purifying respirator)	4.1
Department 80		
(28)	Personal air sample, line 7 brake shoe assembly	0.1
(29)	Personal air sample, line 5 brake shoe assembly	0.3
(30)	Personal air sample, #1 Gangler press operator	0.7
(31)	Personal air sample, #2 shoe and lever machine operator	0.8
(32)	Personal air sample, stacking brake shoes for the assembly operation on line 7	< 0.1
(33)	Personal air sample, loading the finished brake assembly into a tote bin	< 0.1

Detroit Forge and Axle Plant

Sample Location	Asbestos Fiber Concentrations*
Department 80 - continued	
(34) General air sample, six feet south of the finished brake assembly conveyor at breathing zone level, Bay DD 19	0.1

*Asbestos fiber concentrations are given in fibers (greater than 5 microns in lengt per cubic centimeter of air.