

March 4, 1976

S. C. Enders

Plant Manager

Stamping &
Assembly

Trenton
Chemical

453-03-00

D. P. Glazier

Industrial Hygiene

Employee and
Indus. Relations

Chrysler
Center

417-05-10

Subject:

ASBESTOS SURVEY

EXHIBIT

CHR-41

On February 11, 1976 the writer investigated employee exposure to airborne asbestos dust at the #1, #2, and #3 Bipel presses. This survey was performed after the local exhaust ventilation system servicing aforementioned Bipel presses had been balanced so as to provide equivalent face velocities at each Bipel hood. The individual results of this survey are listed on the attached data sheet opposite the corresponding job description.

All employee exposure to airborne asbestos dust was below the current OSHA standard of five fibers per cubic centimeter of air. Only the #1 Bipel operator was found to be exposed to airborne concentrations of asbestos fibers in excess of the July 1, 1976 OSHA standard of 2 fibers/cc (sample 1). However, the #2 and #3 Bipel operators did have an asbestos exposure which was very close to the July 1, 1976 limit. These airborne asbestos levels represent an increase over the airborne asbestos concentrations which have historically existed at the #1, #2, and #3 Bipel work stations. Because there has been no major change in the Bipel Corporation's production requirements, nor in the local exhaust ventilation servicing the Bipel presses, Industrial Hygiene believes that the observed increase in employee asbestos exposure may be due to haphazard handling of the loose disc brake pad material. The employees involved (Bipel and lat press operators) should be required to attempt to keep airborne asbestos dust levels as low as possible. If administrative control is unable to reduce the magnitude of employee exposure to asbestos at the Bipels, additional engineering controls and/or mandatory personal protective equipment may be required prior to July 1, 1976.

This problem will be examined in depth during the next regularly scheduled semiannual asbestos survey.

D. P. Glazier
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Industrial Hygienist

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Attachments

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

Asbestos Survey
February 11, 1976

<u>Job Description</u>	<u>Asbestos Fiber Concentrations *</u>
Current OSHA Standard	5.0
July 1, 1976 OSHA Standard	2.0
(1) Personal air sample, #1 Bipel operator	2.3
(2) Personal air sample, #2 Bipel and #19 hot press operator	1.8
(3) Personal air sample, #3 Bipel operator	1.9
(4) Personal air sample, loading and unloading disc brake shoes at the Myr ovens	0.2
(5) Personal air sample, stacking finished brake shoes after Myr oven aluminum gasket bonding	1.2
(6) Personal air sample, Permafuse operator	0.1
(7) Personal air sample, loading west side of the Conforming Matrix washer	0.3

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

All samples were collected on Millipore membrane filters of 0.8 micron porosity with NSA Model 9 gravimetric portable pumps.