



*Rich
Kolack
P. 41*

Inner Company, Concept

File Code

Date

March 11, 1976

To-Name & Department

Division

Plant/Office

CIMS Number

e Below
From-Name & Department

Division

Plant/Office

CIMS Number

L. P. Gendernalik

Industrial Hygiene

Employee and
Indust. Relat.

Chrysler
Center

417-05-19

Subject:

TO: R. R. Normandin (Plant Manager - Toledo Machining)
S. C. Enders (Plant Manager - Trenton Chemical)

Subject: ASBESTOS EXPOSURES IN DEPARTMENT 9847 - TOLEDO MACHINING

On March 8, 1976 a study was made to determine the exposure of employees on the disc brake assembly line, Department 9847, at the Toledo Machining Plant to asbestos dust generated during the handling of brake pads supplied by the Trenton Chemical Plant. This study was made at the joint request of A. E. Finch of Toledo Machining and E. R. Lombard of Trenton Chemical, as a result of employee complaints regarding excessive asbestos exposures at this location following a process change in the manufacture of these pads at the Trenton Plant.

The results obtained from analysis of these samples are shown on the attached data sheet. Although none of the samples indicated exposures in excess of the present allowable limit, samples (1), (2), and (3) were in excess of the allowable limit scheduled to become effective on July 1, 1976. These exposures appeared to result primarily from the transfer of loose brake pads from the open skids and stacking of the pads at the pad installation work stations, as a result of loose grinding fines remaining on the surface of the pads.

Mr. E. R. Lombard of the Trenton Plant, who accompanied the writer during this investigation, agreed that the operations created airborne asbestos dust, and indicated that the management at the Trenton Chemicals Plant would take action to reduce the amount of loose dust on the brake pads supplied to the Toledo Machining Plant. If the amount of loose dust cannot be reduced before July 1, 1976, it will be necessary to require the involved employees at the Toledo plant to wear approved air-purifying respirators to protect against exposure to asbestos dust.

L. P. Gendernalik, Ph.D.
L. P. Gendernalik, Ph.D.
Senior Industrial Hygienist

hm
Attachment

cc: F. A. Burnett
T. P. Duross
E. A. Kolacki
J. A. Lardie
E. R. Lombard
N. McCallum
W. M. O'Brien
R. W. Vorhees, Jr.

Data Sheet
Toledo Machining Plant
March, 1976

Asbestos

	Asbestos, <u>fibers (>5µ)/cc</u>
Current OSHA Standard	5.0
OSHA Standard Effective July 1, 1976	2.0

Location

Department 9847, Disc Brake Assembly:

(1) Personal air sample, supplying disc brake pads from open skids, west line	3.0
(2) Repeat of above sample	4.3
(3) Personal air sample, installing inner disc brake pads, west line	2.5
(4) Repeat of above sample	1.3
(5) Personal air sample, installing outer disc brake pads, west line	< 0.3
(6) Repeat of above sample	< 0.3

Air samples were collected on cellulose ester membrane filters and analyzed by optical microscopy counting techniques.

Attachment A

<u>Sample #</u>	<u>Employee</u>	<u>Badge #</u>
(1)	W. Durdel	1693
(2)	W. Durdel	1693
(3)	L. Bankston	9286
(4)	L. Bankston	9286
(5)	R. Comer	5048
(6)	R. Comer	5048