

## Inter Company Correspondence

Phone No.

Date

File Code

June 29, 1982

To—Name &amp; Department

Division

Plant/Office

CIMS Number

S. C. Enders

Plant Manager

S. A. &amp; D. O.

Trenton  
Chemical

453-00-00

From—Name &amp; Department

Division

Plant/Office

CIMS Number

D. P. Glazier

Industrial Hygiene

Personnel and  
AdministrationChrysler  
Center

417-05-19

Subject:

INDUSTRIAL HYGIENE SURVEY**EXHIBIT**

CHR-56

### Summary

On June 17 and 22, 1982, the writer evaluated employee exposure to airborne asbestos fibers, total particulate, and solvent vapors in the Friction Products building. A single employee was shown to be exposed to an excessive level of airborne asbestos at the No. 178962 Besly finish grinder. Industrial Hygiene recommends that maintenance personnel cap the large branch exhaust duct located approximately 40 feet upstream of Besley grinder No. 178962.

### Discussion

At the time of this survey the exhaust ventilation system servicing Besly grinder No. 178962 contained a large diameter open branch directly upstream from the finish grinding operation. A significant exhaust leak of this type increases the air volume and velocity downstream of the leak, but decreases the volume and velocity of the air upstream of the leak. In our opinion, the excessive exposure level observed at the finish grinding operation was a direct result of the uncapped branch duct. Industrial Hygiene will re-evaluate the affected work station after the exhaust system is repaired.

The OSHA asbestos standard requires that the Besly finish grinder ~~operator~~ be notified in writing of his exposure within five days of the plant's receipt of this report. ~~operator~~ must also be timely notified of the corrective action being taken.

The need for caution when loading the asbestos dry mix into the Bipel presses has been well established by extensive environmental monitoring. In our opinion, Bipel operator ~~operator~~ did not attempt to minimize the dispersion of airborne asbestos fibers while loading the No. 4 Bipel press at the time of this study. Although ~~operator~~ was wearing a respirator approved for asbestos concentrations up to 20 fibers/cc, sloppy Bipel loading work habits cause a deterioration of the overall plant environment and may increase employee exposure levels at nearby work stations. Industrial Hygiene recommends that Bipel and hot press operators receive special training regarding the need to minimize the dispersion of airborne asbestos during Bipel loading.

Re: Industrial Hygiene Survey

Please forward any questions regarding this report to the writer.

*D. P. Glazier (RD)*

DANIEL P. GLAZIER  
Industrial Hygiene Specialist

dms  
Attachments

cc: L. F. Andre  
F. A. Burnett  
D. R. Dolenga  
R. J. Horoky  
C. C. Lancucki  
B. G. Mathis  
N. McCallum  
R. D. McIntosh, M. D.  
L. P. Morris  
D. M. Revita, M. D.  
G. A. Sattelmeier

Data Sheet  
TRENTON CHEMICAL PLANT

June 17 & 22, 1982

ASBESTOS

Location

Concentration  
(fibers per cubic  
centimeter of air)

OSHA Permissible Exposure Limit

2.0

6-17-82

- |                                                                                                               |       |
|---------------------------------------------------------------------------------------------------------------|-------|
| (1) Personal air sample, [REDACTED],<br>[REDACTED], No. 3 Bipel and No. 15,<br>16, and 18 hot press operator  | 1.8   |
| (2) Personal air sample, [REDACTED],<br>[REDACTED], No. 4 Bipel and No. 23,<br>25, and 26 hot press operator  | 2.2*  |
| (3) Personal air sample, [REDACTED],<br>[REDACTED], No. 1-4, Barker bonder<br>operator                        | 0.1*  |
| (4) Personal air sample, [REDACTED],<br>[REDACTED], No. 2 slot grind and<br>flat finish operator              | 1.4*  |
| (5) Personal air sample, [REDACTED],<br>[REDACTED], No. 2 slot grind and<br>flat finish inspector             | 0.5   |
| (6) Personal air sample, [REDACTED],<br>[REDACTED], weight-up                                                 | 0.6   |
| (7) Personal air sample, [REDACTED],<br>[REDACTED], No. 3 & No. 4 Bipel<br>and No. 14 hot press operator      | 0.7   |
| (8) Personal air sample, [REDACTED],<br>[REDACTED], No. 2 hot press operator                                  | 0.2   |
| (9) Personal air sample, [REDACTED],<br>[REDACTED], No. 178961 Besly<br>grinder operator (K body disc brakes) | < 0.1 |

| <u>Location</u>                                                                                            | <u>Concentration</u> |
|------------------------------------------------------------------------------------------------------------|----------------------|
| (10) Personal air sample, [REDACTED], No. 2 Bipel and No. 13 hot press operator                            | 0.3                  |
| (11) Personal air sample, [REDACTED], No. 31 oven disc plate removal                                       | < 0.1                |
| (12) Personal air sample, [REDACTED], No. 32 oven disc plate removal                                       | 0.3                  |
| (13) Personal air sample, [REDACTED], No. 178962 Besly grinder operator                                    | 3.4                  |
| (14) Personal air sample, [REDACTED], No. 178962 Besly grinder inspector                                   | 1.9                  |
| (15) Personal air sample, [REDACTED], No. 178961 Besly Grinder inspection and packing (K body disc brakes) | < 0.1*               |
| (16) Personal air sample, [REDACTED], No. 5-6 Barker bonder operator                                       | < 0.1                |
| (17) Personal air sample, [REDACTED], No. 1 OEM Grinder operator                                           | 1.1*                 |
| <u>6-25-82</u>                                                                                             |                      |
| (18) Personal air sample, [REDACTED], No. 2 Chicago rivet machine operator                                 | 0.2                  |

\*Employees wearing approved respiratory protection

The air samples listed were collected on cellulose ester filters with MSA Model G pumps and analyzed by the Industrial Hygiene Laboratory using phase contrast microscopy.