



Inter Company Correspondence

To - Name
S. C. Enders
From - Name
L. Redmond
Subject:

Department
Mer. - Friction
Products
Department
Industrial Hygiene

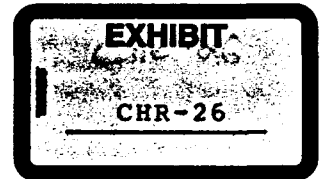
File Code

Division
Chemical
Division
Personnel

April 3, 1972
Plant Office
Trenton Chemical
Plant Office
Highland Park
CIMS Number
CIMS Number

Asbestos Dust

At the request of Mr. E. R. Lombard, samples were obtained on March 21, 1972, to determine asbestos dust concentrations created by the operation of a Tennant rider type vacuum sweeper. The results, reported as fiber counts, are listed on the attached data sheet.



Discussion

The threshold limit value for asbestos dust was established at 5.0 fibers per milliliter greater than 5 microns in length. As indicated on the data sheet, airborne dust concentrations in the breathing zone of the driver of the Tennant Sweeper ranged from 1.5 to 2.7 fibers per milliliter of air. Samples collected along both sides and behind the sweeper indicated that airborne asbestos concentrations of 0.7 to 1.6 fibers per milliliter of air were created while it was operating.

The data obtained during this survey indicated that the utilization of the Tennant Sweeper did not create concentrations of asbestos dust in excess of the limit established by Federal statute.

Louis Redmond
Louis Redmond
Industrial Hygienist

hm
Attachment

cc: W. F. Bavinger
R. E. Bowers
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W. L. Knapp, M. D.
T. J. Lang
E. R. Lombard
R. D. McIntosh, M. D.
F. E. Repucci
J. G. Shepherd
N. A. Trombley

Data Sheet
Trenton Chemical
Friction Material Building

Asbestos Concentrations

APRIL 3 1972

<u>Location</u>	<u>Fibers of Asbestos per Milliliter of Air</u>
Threshold limit value (fibers longer than 5 microns)	5.0
Driver of Tennant Sweeper, driving on aisle 8	2.7
Driver of Tennant Sweeper, driving com- pletely around outside aisle of building	1.5
Walking along both sides and behind Tennant Sweeper	0.7
Driver of Tennant Sweeper, driving com- pletely around outside aisle	1.8
Walking along both sides and behind Tennant Sweeper	1.6

The samples were collected on membrane filters and Mine Safety Appliances Company personal monitor pumps.