FILE NAME: Allied Signal Bendix (ASB)

DATE: 1976-1977

DOC#: ASB043

DOCUMENT DESCRIPTION: Memos & Letters RE Asbestos Sampling and Inspection Results

Health
Ontario

File No. .....

Date ..... August 24, 1976

Memorandum to

Mr. G.S. Rajhans, P.Eng.
Consultant Engineer - Dust
Occupational Health Engineering

From

F. Holmes
Environmental Technician
Occupational Health Protection Br.

Re Bendix Automotive
Argyle Plant
P.O. Box 2400
Walkerville, Ont.

Date of Visit: August 11, 1976

Accompanied by: G.S. Rajhans

Company Contact: Kieth Neligan
Safety and Personnel Department

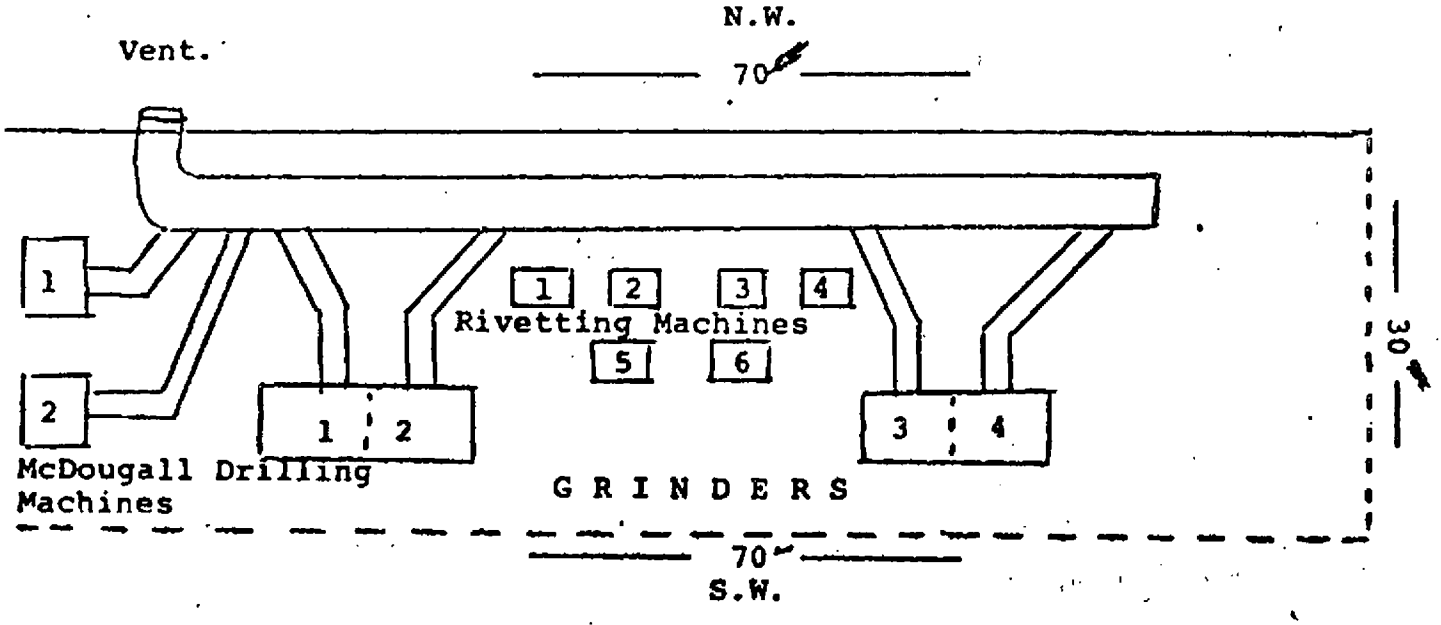
A visit was made to the above-mentioned company to assess the asbestos dust exposure and ventilation conditions in the brake shoe department which consist of two McDougall drilling machines, four grinders and six rivetting machines. At the time of the visit, one drilling machine was in operation. One grinder was also in operation but no rivetters were. A personnel sample was taken on the person working on grinder #3. The personnel sampling results are:

Number and Location	Time	Asbestos Fibres > 5 micrometers in length/cc of air
(1) Grinder #3	45 min.	0.25

F. Holmes

F. Holmes

FH:df


N.W.
Vent.
70'
1
2
1 2
1 2 3 4
Rivetting Machines
5 6
3 4
30'
McDougall Drilling Machines
G R I N D E R S
70'
S.W.

Internal
Memorandum

Bendix

Executive Offices
Southfield, Michigan

Date May 4, 1977 Letter No.

To T. Schaefer

From J. R. Weber

Subject Semi-Annual Asbestos Monitoring

The laboratory results for the semi-annual asbestos monitoring samples collected at the Argyle Road plant on March 22, 1977, have been received. The results show no concentrations in excess of a 2.0 fiber/cc level. The sample results are as follows:

Excello Automatic Drill (Brian Beaunne)	0.77 fibers/cc
Grinder #3 (Diane Jacques)	0.14 fibers/cc
Riveting #5 (Susan Dobsky)	0.49 fibers/cc
Bag Collector Cleaning (Gary Knuckle)	0.09 fibers/cc

The results from the Bag Collector Cleaning operation indicate an employee exposure well below the 2.0 fiber/cc level. However, this result does not accurately assess the problems being experienced with asbestos waste disposal or environmental protection.

A continuing effort must be made to implement controls which will assure emissions to the atmosphere are at the lowest possible level. If I can be of assistance in this matter, please contact me.

Finally, solvent samples were collected at the Prince Road plant. The results are as follows:

Vapor Degreaser
(TLV = 100 PPM) 0.17 PPM Trichloroethylene

Spray Painting Backing Plates

Trichloroethylene	TLV = 100 PPM,	Concentration =	2.42 PPM
Toluene	TLV = 100 PPM,	Concentration =	5.70 PPM
Xylene	TLV = 100 PPM,	Concentration =	20.81 PPM

The results indicate employee exposures well within established limits. I suspect the trichloroethylene at the spray painting operation is carry-over from the degreaser. The paint solvent is most probably a mixture of toluene and xylene.

Internal
Memorandum

Bendix BENDIX

Date May 4, 1977 Letter No.
T. Schaefer
Page Two

Since these samples were taken subsequent to a Ministry of Labor inspection, they should be kept readily available as documentation for one of the items cited.

The next semi-annual asbestos monitoring will be scheduled for September, 1977. Should you have any questions or if I can be of assistance prior to that time, please feel free to contact me.

J. F. Wiefel

JRW/glz
cc: J. W. Armstrong
G. L. Detenbeck

15 Overlea Boulevard, [illegible]
Toronto, Ontario
M4H 1A9

416/ 965-4066

July 5, 1977

Mr. G. Detenbeck
Industrial Relations
Administrator
Bendix Company
1473 Argyle Avenue
Windsor, Ontario

Dear Mr. Detenbeck:

Enclosed is a copy of the Air Quality Assessment Report prepared by Mr. C. Rhodes, O.H. Technician, following a visit to your plant on June 9, 1977.

Yours truly,

for H.M. Nelson, Chief
Occupational Health Engineering

HMN:lm
Encl.

Ontario
Ministry of
Labour

Occupational Health Branch
15 Overlea Blvd., 5th floor
Toronto, Ontario M4H 1A9

Tel: 416/965-4066

JP

July 21, 1977

Mr. John D. McCann
Safety Representative
Local 195
Bendix Company
1473 Argyle Avenue
Windsor, Ontario

Dear Mr. McCann:

I am sorry for the delay in my reply to your letter concerning asbestos dust.

As a result of your letter, air sampling was carried out and the results reported June 27, 1977 were sent to Mr. G. Detenbeck, Industrial Relations Administrator. Of the six personnel and two area samples taken all were below the Ontario standard of 2 fibres greater than 5 micrometers in length per cc of air. The results ranged from 0.3 to 1.5 fibres/cc with a mean value of 0.6 fibres/cc.

I trust this action is satisfactory to you. If you have further questions please feel free to contact this branch.

Yours truly,

H.M. Nelson, P. Eng.,
Chief, Occupational
Health Engineering

JUL 25 Rec'd
PERSONNEL
DEPARTMENT

HMN:ds

Ontario

Ministry of
~~HEALTH~~ LABOUR

I.S.B. File No. :
O.H.P.B. File No. : 8E-24
A.Q.A. No: 457

OCCUPATIONAL HEALTH ~~PROTECTION~~ BRANCH

AIR QUALITY ASSESSMENT REPORT

Date: June 27, 1977

From: C. Rhodes

Plant: Bendix Company	Requested by: I.H.S.B.
Address: 1473 Argyle Avenue Windsor, Ontario	Accompanied by: Mr. F. Gamble, I.S.O.
	Date of Visit: June 9, 1977
Contacts: Mr. G. Detenbeck - Industrial Relations Administrator	Copies to: Dr. V. Tidey Mr. G. Rajhans Dr. J. Vingilis (2) Mr. H. Hendrickson Mr. J. Greenlaw (3) Mr. S. Morton (2) Mr. G. Detenbeck
Hazard: Asbestos	

Abstract: Area and Personnel air samples were taken in the above plant, and the following table lists their locations and results.

Company, Windsor

Sample Number	Employees Name	Job Description	Personnel Samples
1.	Ms. Mary Bennett	No. 4 Grinder operator (day shift)	
2.	Mr. R. Stan	No 4 Grinder operator (afternoon shift)	
3.	Mr. Reaume	No 4 Production Checker (afternoon shift)	
4.	Mr. G. Marra	No 3 Grinder operator, (afternoon shift)	
5.	Mr. B. Zakala	No 3 Production Checker (afternoon shift)	
6.	Mr. V. Iich	Changing Dust collector waste box	

Sample Number	Location	Area Samples
1.	On Pillar, between #2 and 3 Grinders (near end of day shift)	
2.	On Pillar, between #2 and 3 Grinders (over shift change into afternoon shift)	

* This operation takes place over a duration of from 5 to 10 minutes, depending on the amount of spillage in the enclosure, and could occur twice a shift, dependant on the amount of production.

Sample Time in Minutes	Sample Volume Litres	Asbestos fibres greater than 5 micrometers in length per cc of Air
32	64	0.3
41	82	0.5
36	72	0.9
37	74	0.9
37	74	0.6
7*	14	1.5

Sample Time in Minutes	Sample Volume Litres	Asbestos fibres greater than 5 micrometers in length per cc of Air
34	68	1.2
77	154	0.3

The present Ontario standard for asbestos fibres is, 2 fibres greater than 5 micrometers in length per cubic centimeter (cc) of air. None of the eight samples were above this limit.

Observations

Housekeeping at the time of my visit was fair.

The dust collector is outside, adjacent to the grinding room.

The doors to the enclosure of the dust collector, containing the waste box, appeared to be in need of repairs.

At the time of sampling, the waste box was only half full. Normally it is from three quarters full to full, before it is changed.

Wind direction was out of the west at approximately 5 to 10 knots, with no precipitation.

CR:lm

C. Rhodes