

FILE NAME: Garlock (GAR)

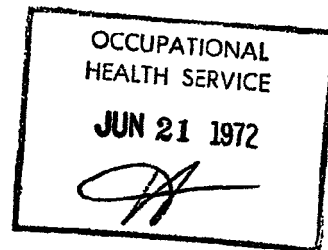
DATE: 1972 June 19

DOC#: GAR055

DOCUMENT DESCRIPTION: Air Sampling Results with Cover Letter

c Dr. V.L. Tidey

Telephone: 965-4066
Area Code: 416



June 19, 1972.

Mr. D. Breckon,
Personnel Manager,
Garlock of Canada Limited
66 Jutland Road,
Toronto 18, Ontario.

Dear Mr. Breckon:

Enclosed are copies of air sampling results of three surveys done in your plant. As can be seen, fibre counting at the braiders showed lower results in 1971 and 1972 as compared with 1969.

I trust this information is satisfactory to you.

Yours truly,

A handwritten signature in cursive script that reads "H.M. Nelson".

HMN:mc

H.M. Nelson, P. Eng.
Occupational Health Service

2 VLT
20 pte
8/1/72

ONTARIO DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH LABORATORIES

360 CHRISTIE STREET, TORONTO 4, ONT. TEL: 365-2201
176

COMPANY CONTACTS:

Mr. P. ROSTAS
Mr. J. VANDEREMS
Mr. J. ROGERS

RE: AIR SAMPLING FOR ASBESTOS ON AUG. 13/69 AT GARLOCK OF
CANADA LIMITED, 66 JUTLAND ROAD, TORONTO. REQUESTED BY
DR. COWLE.

REPORT NO: 13,750

DATE: AUGUST 15, 1969

COPIES TO: DR. V. TIDEY

DR. J. COWLE

MR. H. NELSON

MR. R. TURTON,

I.S.B.

FROM: S. MORTON

THIS COMPANY MAKES PACKING AND SEALING DEVICES MADE OF: A) BRAIDED ASBESTOS USUALLY COATED WITH ONE OF THE FOLLOWING: TEFLON, WAX, SOAP, GRAPHITE OR VASELINE.
B) GASKETS MADE OF RUBBER OR NEOPRENE AND ASBESTOS.

THE AIR SAMPLES WERE TAKEN ON A CELLULOSE MEMBRANE FILTER AND THE FIBERS COUNTED USING A PHASE CONTRAST MICROSCOPE. THE SUGGESTED T.L.V. USING THIS METHOD IS 12 FIBERS >5 MICRONS PER MILLILITER OF AIR.

In Reply

1) ASBESTOS BRAIDING SECTION

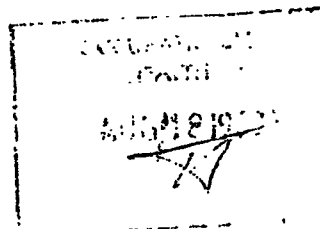
THREE OUT OF EIGHT BRAIDERS AND ONE WINDING MACHINE WERE OPERATING AT THE TIME OF THE VISIT. TWO OF THE BRAIDERS HAD A CANOPY HOOD; THE OTHERS WERE NOT VENTED. WHITE ASBESTOS WAS BEING BRAIDED DURING AIR SAMPLING. SOUTH AFRICAN BLUE ASBESTOS IS USED ON A VERY INTERMITTENT BASIS. THE LAST TIME IT WAS USED WAS SIX MONTHS PRIOR TO THIS VISIT.

NORMALLY THE ASBESTOS FIBERS ARE COATED WITH ONE OF THE ABOVE MATERIALS PRIOR TO BRAIDING. THIS IS DONE BY IMMERSING THE SPOOLS OF ASBESTOS IN THE COATING MATERIAL FOR A FEW HOURS.

2) ASBESTOS SHEET SECTION

ONE HUNDRED POUNDS OF ASBESTOS AT A TIME IS DUMPED BY HAND INTO A HAMMER MILL. THE FIBERS ARE THEN AIR CONVEYED TO A HOPPER IN THE ROOM. THIS HOPPER HOLDS A MAXIMUM OF 2700 LBS. WHEN FULL THE SIDE OF THE HOPPER IS SPRUNG ALLOWING DUST INTO THE ROOM. SINCE THIS HOPPER IS UNDER PRESSURE THE DUST LEAKS ARE QUITE SERIOUS; THE HIGHEST FIBER COUNT WAS FOUND NEAR THIS HOPPER. THERE WAS ALSO A LEAK FROM THE HAMMER MILL, WITH CONSIDERABLE AMOUNTS OF ASBESTOS ON THE FLOOR WHICH WAS AGITATED WHEN THE HAMMER MILL WAS OPERATING.

TWENTY FIVE POUND BATCHES OF ASBESTOS WAS DUMPED MANUALLY INTO THE MIXER. THE OTHER INGREDIENT USED FOR MIXING WAS A GULF #2024 PETROLEUM DISTILLATE LIGHT FRACTION, 200-250°F BOILING RANGE OF APPROXIMATE COMPOSITION C₆-C₈. SCRAP CUTTINGS FROM THE ASBESTOS SHEETS IS ALSO MIXED WITH BULK ASBESTOS AND THE SOLVENT.



ONTARIO DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH LABORATORIES TEL: 365-2201
360 CHRISTIE STREET, TORONTO 4, ONT.

RE: AIR SAMPLING FOR ASBESTOS AND LEAD AT GARLOCK OF CANADA LTD.,
66 JUTLAND ROAD, TORONTO 18, ONTARIO, REQUESTED BY MR. G.
RAJHANS AND MR. L. BITHEL.
COMPANY CONTACT: MR. D.F. BRECKON.
ACCOMPANIED BY MR. A. COTGREAVE, I.S.O.

REPORT NO: 14,477
DATE: MAY 25, 1971
COPIES TO: DR. V. TIDEY(2)
MR. J. MCNAIR(2)
MR. G. RAJHANS
MR. L. BITHEL

FROM: M. POLNY

AIR SAMPLES WERE TAKEN MAY 19, 1971 AND THE FOLLOWING ARE THE RESULTS:

NO. AND LOCATION

ASBESTOS
TOTAL FIBRES >5 μ /CC. OF AIR

1. #10 BRAIDER (BLACK).
2. SPINNER.
3. #20 BRAIDER (BLACK).
4. NEW BRAIDER (BLACK).
5. BRAIDER (WHITE).
6. SHEETER ROOM, STORAGE BIN FILLING TRAYS.

<1
<1
<1
<1
<1
2

ALTHOUGH ALL SIX SAMPLES TAKEN WERE BELOW THE THRESHOLD LIMIT VALUE (T.L.V.) FOR ASBESTOS OF 5 FIBRES >5 μ /CC. OF AIR, THE FILLING OF THE TRAYS, STORAGE BIN (SAMPLE #6) TO MY VIEW PRESENTS A HAZARD. THE OPERATOR IN THIS LOCATION SHOULD WEAR A RESPIRATOR.

NO. AND LOCATION

LEAD
MG/M³ OF AIR

1. LEAD POT.
2. LEAD PUNCH PRESS.
3. RING TRIMMING.
4. BACKGROUND, ACROSS FROM LEAD POT.

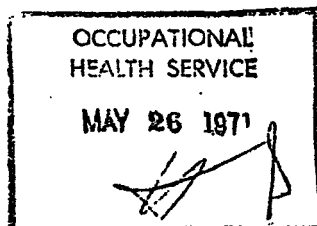
0.07
0.11
<0.01
0.01

ALL FOUR SAMPLES TAKEN WERE BELOW THE THRESHOLD LIMIT VALUE (T.L.V.) FOR LEAD OF 0.20 MG. PER M³ OF AIR.

LEAD ANALYSIS: MRS. J. MANDAC.

MP/Ja

ELL
16



M. Polny
M. POLNY

ONTARIO DEPARTMENT OF HEALTH
OCCUPATIONAL HEALTH LABORATORIES TEL: 965-7925
360 CHRISTIE STREET, TORONTO 4, ONT.

RE: AIR SAMPLING FOR ASBESTOS FIBRES AT GARLOCK OF CANADA LTD.,
66 JUTLAND ROAD, TORONTO. REQUESTED BY MR. G. RAJHANS.
COMPANY CONTACT: MR. J. VANDEREEMS.

REPORT NO: 14,927 A
DATE: MAY 1, 1972
COPIES TO: DR. V. TIDEY(2)
MR. J. MCNAIR(2)
MR. G. RAJHANS
DR. J. COWLE

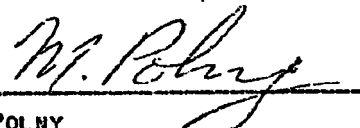
FROM: M. POLNY

AIR SAMPLES WERE TAKEN ON APRIL 28, 1972 AND
THE FOLLOWING ARE THE RESULTS:

<u>NO. AND LOCATION</u>	<u>ASBESTOS</u> <u>TOTAL FIBRES > 5L/CC. OF AIR</u>
1. MIXER.	<1
2. HAMMER MILL, IN BOOTH.	4
3. ASBESTOS BIN, BY WEIGH SCALE.	4
4. LATTICE BRAIDER, WHITE.	<1
5. LATTICE BRAIDER, BLACK.	<1

MP/js

1/7.


M. POLNY

