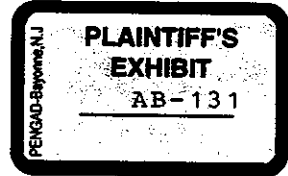


July 20, 1972.

C.H. Borcharding Jr.,  
Chicago.



Ontario Dept. of Health

I attach hereto copies of D.O.H. reports on air sampling, concerning dust, lead and asbestos.

You will note the remark in J. Tierney's letter regarding the T.M.V. for asbestos, and the fact that the observations indicate values above the threshold limit, although of course the observations cover short-term exposures.

No doubt when you have digested these reports you will let us have your comments and suggestions.

Regarding your letter of July 18 I don't understand why J. Meehan was not included in the May urine sampling, and with a copy of this letter to Clare Netherton (on vacation at present) I am asking him to advise me and also to ensure that the laid-down procedure is strictly followed.

J. Meehan was included in the urine samples submitted to the D.O.H. in May by Dr. Wood. Dr. Blackwell has a copy of the report, which shows a specific gravity of 1.004 and an analysis of 0.09 mg. per l, which according to Dr. Wood is low.

We will certainly keep you advised of any further developments and we look to you and Dr. Blackwell for guidance in this area.

PCH:lw

P.C. Milner

P.S. Also attached is a copy of the Directions received from the Industrial Safety Branch of the Ministry of Labour which were referred to in the D.O.H. letter of June 28.

c.c. D.K. Rennie  
Dr. Blackwell  
E.H. Feierabend  
M.W. Endicott  
C.W. Netherton

RECEIVED

JUL 26 1972

ABEX CORPORATION  
MEDICAL DEPT.

SPIM 1586

Telephone:  
965-4066Area Code:  
416

## DEPARTMENT OF HEALTH

July 18, 1972

Mr. P. Milner,  
Works Manager,  
Abex Industries Limited,  
50 Colborne Street, East,  
LINDSAY, Ontario.

Dear Mr. Milner:

I am sending you a copy of our air sampling results which were obtained recently at your plant by our laboratory, for your information. The Threshold Limit Value for asbestos is 2 fibres 5u/cc of air.

Yours very truly,

V.L. Tidey, M.D.,  
Chief,  
Occupational Health Service.

VLT:jt

encl.

**RECEIVED**

JUL 26 1972

**ABEX CORPORATION  
MEDICAL DEPT.**

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

RE: AIR SAMPLING FOR LEAD AND ASBESTOS ON JULY 12, 1972 AT  
ABEX INDUSTRIES LTD., 50 COLBORNE ST. EAST, LINDSAY, ONTARIO.  
REQUESTED BY MR. P. BYRNES, E.H.B. ACCOMPANIED BY MR. R.  
DICKEY, I.S.B.  
COMPANY CONTACT: MR. P. MILNER.

REPORT NO: 15007 A  
DATE: JULY 17, 1972  
COPIES TO: DR. V. TIDEY  
MR. P. BYRNES  
MR. J. McNAIR

FROM: M. POLNY

FOLLOWING ARE THE RESULTS FOR LEAD AND ASBESTOS AIR  
SAMPLING:

1) LEAD

| <u>NO. AND LOCATION</u>                                       | <u>MGM. LEAD PER<br/>CUBIC METER OF AIR</u> |
|---------------------------------------------------------------|---------------------------------------------|
| 1. 1ST FLOOR, RUBBER MILL.                                    | 0.09                                        |
| 2. 1ST FLOOR BACKGROUND, APPROX. 10 FEET FROM<br>RUBBER MILL. | 0.09                                        |
| 3. 2ND FLOOR, ROTOCAN.                                        | 0.25                                        |
| 4. 2ND FLOOR, LEAD WEIGHING STATION.                          | 0.03                                        |
| 5. 1ST FLOOR, PREFORM RAILROAD.                               | 0.05                                        |
| 6. 1ST FLOOR, ROLLING MACHINE SKA 73.                         | 0.05                                        |
| 7. 1ST FLOOR, DISCHARGE FROM COOLER.                          | 0.09                                        |
| 8. 1ST FLOOR BACKGROUND, APPROX. 15 FEET FROM COOLER.         | 0.10                                        |
| 9. 2ND FLOOR ASBESTOS WEIGHING STATION.                       | 0.05                                        |
| 10. 2ND FLOOR DUMPING MIX, TOP OF COOLER.                     | 0.06                                        |
| 11. 1ST FLOOR, #15 KNEADER.                                   | 0.06                                        |

2) ASBESTOS

| <u>NO. AND LOCATION</u>                            | <u>TOTAL FIBRES &gt;5µ/cc. AIR</u> |
|----------------------------------------------------|------------------------------------|
| 1. 2ND FLOOR, WEIGH SCALE WEIGHING ASBESTOS.       | 7.2                                |
| 2. 1ST FLOOR, #15 KNEADER, DUMPING AFTER KNEADING. | 2.5                                |
| 3. 1ST FLOOR, ROLLING MACHINE SKA73, BY HOPPER.    | 3.7                                |
| 4. 1ST FLOOR, #15 KNEADER, DUMPING ASBESTOS.       | 8.1                                |

MP/JS

RECEIVED

JUL 26 1972

ABEX CORPORATION  
MEDICAL DEPT.

*M. Polny*  
M. POLNY

SPIM 1588



Telephone:  
965-4066

DEPARTMENT OF HEALTH

Area Code:  
416

July 18, 1972

Mr. P. Milner,  
Works Manager,  
Abex Industries Limited,  
50 Colborne Street, East,  
LINDSAY, Ontario.

Dear Mr. Milner:

I am sending you a copy of our air sampling results  
which were obtained recently at your plant by our laboratory,  
for your information.

Yours very truly,

V.L. Tidey, M.D.,  
Chief,  
Occupational Health Service.

VLT:jt

encl.

RECEIVED

JUL 26 1972

ABEX CORPORATION  
MEDICAL DEPT.

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

RE: AIR SAMPLING FOR DUST ON JULY 12, 1972 AT ABEX INDUSTRIES  
LTD., 50 COLBORNE ST. EAST, LINDSAY, ONTARIO. REQUESTED BY  
MR. P. BYRNES. ACCOMPANIED BY MR. R. DICKEY, I.S.B.  
COMPANY CONTACT: MR. P. MILNER.

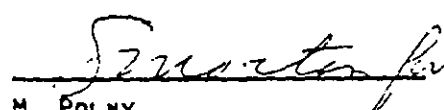
REPORT NO: 15007 B  
DATE: JULY 17, 1972  
COPIES TO: DR. V. TIG  
MR. P. BYRNES  
MR. J. MCNEIL

FROM: M. POLNY

FOLLOWING ARE THE RESULTS FOR DUST SAMPLING:

| <u>NO. AND LOCATION</u>                           | <u>MILLIONS OF PARTICLES PER<br/>CUBIC FOOT OF AIR</u> |
|---------------------------------------------------|--------------------------------------------------------|
| 1. 2ND FLOOR, WEIGH SCALE, WEIGHING ASBESTOS.     | 4.0                                                    |
| 2. 1ST FLOOR #15 KNEADER, DUMPING AFTER KNEADING. | 1.0                                                    |
| 3. 1ST FLOOR, ROLLING MACHINE SKA73, BY HOPPER.   | 1.0                                                    |
| 4. 1ST FLOOR #15 KNEADER DUMPING ASBESTOS.        | 5.0                                                    |

MP/JS

  
M. POLNY

RECEIVED

JUL 26 1972

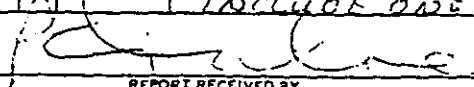
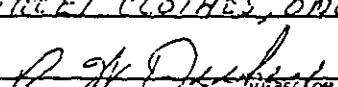
ABEX CORPORATION  
MEDICAL DEPT.

SPIM 1590

|                                                                                   |                                                              |                         |                             |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------|-----------------------------|
| EMPLOYER<br><b>AREX INDUSTRIES LTD</b>                                            |                                                              | REG. NO.<br><b>10</b>   |                             |
| MAILING ADDRESS<br><b>50 COLBORNE ST E.</b>                                       |                                                              | CITY<br><b>LINDSAY</b>  | ZONE<br><b></b>             |
| LOCATION OF PREMISES<br><b></b>                                                   |                                                              | PRIOR<br><b></b>        |                             |
| MANAGEMENT NAME<br><b>P. MILNER</b>                                               | STANDARD GEOGRAPHICAL CLASSIFICATION<br><b>35 16 07 2 00</b> | TRIGGER<br><b></b>      | OUT STO.<br><b></b>         |
| OWNER OF PREMISES<br><b>AREX INDUSTRIES LTD</b>                                   | OWNERS ADDRESS<br><b>1 PLACE VILLA MARIE</b>                 | CITY<br><b>MONTREAL</b> | PROV. COUNTRY<br><b>QUE</b> |
| ACTIVITY OF EMPLOYER - COMPLETE WHEN SIC NUMBER TO BE CHANGED OR FOR NEW EMPLOYER |                                                              |                         |                             |

|               |               |        |                          |                                   |                                     |   |                          |                  |                          |                                                  |
|---------------|---------------|--------|--------------------------|-----------------------------------|-------------------------------------|---|--------------------------|------------------|--------------------------|--------------------------------------------------|
| SEND COPY TO: |               | C.S.B. | <input type="checkbox"/> | HEALTH                            | <input checked="" type="checkbox"/> |   | <input type="checkbox"/> |                  | <input type="checkbox"/> |                                                  |
| KEYPUNCH DATA |               |        | INSPECTOR<br>NUMBER      | INSPECTION DATE<br>DAY MONTH YEAR |                                     |   | F<br>E<br>D              | HIS<br>P<br>CODE | CYCLE                    | NUMBER OF EMPLOYEES<br>PRODUCTION ADMINISTRATION |
| FILE NUMBER   |               |        | 15                       |                                   |                                     |   |                          |                  |                          |                                                  |
| 3             | 2             | 5      | 0                        | 0                                 | 1                                   | 2 | 9                        | 0                | 0                        | 0                                                |
| 3             | 5             | 1      | 1                        | 2                                 | 0                                   | 7 | 2                        | 2                | 5                        | 0                                                |
| 6             | 0             | 0      | 0                        | 9                                 | 0                                   | 0 | 0                        | 2                | 5                        |                                                  |
| TIG           | NEW ORURATION |        | 45                       | NEW MANAGEMENT                    |                                     |   |                          |                  | 64/65                    | NEW TELEPHONE NO                                 |
| X             |               |        |                          |                                   |                                     |   |                          |                  |                          |                                                  |
| NOTES.        |               |        |                          |                                   |                                     |   |                          |                  |                          |                                                  |

[illegible]

| DIRECTION NUMBER                                                                                          | E OR O | I A R | ACT OR REG. SEC. | Take notice that you are required to comply with the following directions under<br><input checked="" type="checkbox"/> The Industrial Safety Act, 1971, and the regulations. <input type="checkbox"/> Canada Labour Code Part IV | Please notify the Branch by letter upon completion |
|-----------------------------------------------------------------------------------------------------------|--------|-------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| 0236                                                                                                      | E      | I     | R80              | POST A NOTICE IN CONSPICUOUS PLACES WHERE PERSONS MAY BE EXPOSED TO CONCENTRATIONS OF LEAD, STATING THE DANGERS INVOLVED AND THE PRECAUTIONS NECESSARY FOR THE PROTECTION AGAINST SUCH DANGERS.                                  |                                                    |
| 0237                                                                                                      | E      | I     | R83              | NO FOOD, DRINK OR TOBACCO SHALL BE TAKEN INTO, KEPT OR CONSUMED IN ANY ROOM, AREA OR PLACE WHERE LEAD OR ANY POISONOUS SUBSTANCE IS EXPOSED.                                                                                     |                                                    |
| 0238                                                                                                      | E      | I     | R13              | MAINTAIN HOUSEKEEPING AT A HIGH LEVEL IN THE LEAD HANDLING AREAS. NO DRY SWEEPING SHALL BE PERMITTED                                                                                                                             |                                                    |
| 0239                                                                                                      | E      | I     | R101             | PROVIDE A SHOWER AND DOUBLE LOCKER FACILITIES FOR EMPLOYEES HANDLING LEAD. LOCKER TO INCLUDE ONE FOR STREET CLOTHES, ONE FOR WORK CLOTHES                                                                                        |                                                    |
| <br>REPORT RECEIVED BY |        |       |                  | <br>INSPECTOR                                                                                                                                | CLOTHES<br>SPIM 1591                               |

*N. W. Dingle* SPIM 1592

ONTARIO DEPARTMENT OF HEALTH  
ENVIRONMENTAL HEALTH SERVICES BRANCH

365 - 4066

FIELD VISIT REPORT

PART I

Memorandum to:  
Dr. V. L. Tidey  
Chief, Occupational Health Service

Date: June 14, 1972

From: P. A. Byrnes, P.Eng.

Plant: Abex Industries of Canada Ltd.

Address: 50 Colborne St. E.,  
Lindsay, Ontario.Contacts: Mr. P. Milner, Works Manager  
Mr. C.W. Netherton, Personnel Manager

Requested by: E.H.E.

Accompanied by: Mr. L. Bithel, E.H.B.

Date of Visit: May 30, 1972

Copies to: J. McNair (3)  
Mr. P. Milner, Works Manager  
Mr. H. Wall, E.H.B.

Abstract: This visit was made to assess the lead exposure as a result of high lead-in-blood levels in this plant that manufactures brake linings. The directions for a medical supervision program for lead are suggested, and air sampling for lead and asbestos by the Occupational Health Service Laboratory is recommended.

\*\*\*\*\*

The brake lining formulations or "compounds" are prepared in the Compounding Department which is about 40' x 40' x 10' high and is located on the second floor of this cement block building. There are windows in three of the walls and they were open at the time of the visit. The department is operated on a three shift basis with three men on the day shift and two men on each of the other two shifts.

Most of the "compounds" contain either 5% lead sulphate or lead formate by weight approximately. The balance of the compound consists of approximately 50% asbestos, plus a bonding resin, a high boiling petroleum solvent, accelerators, inhibitors, etc. The compound weights are about 500 lb. each and are formulated on a batch basis with about 7 to 8 compounds being produced per shift.