

INTERNAL CORRESPONDENCE January 24, 1962

FROM F. H. REGEHR

TO DR. LESTER V. CRALLEY

VERNON WORKS

PITTSBURGH OFFICE

RE: VISIT BY VERNON HEALTH DEPARTMENT

PLAINTIFF'S  
EXHIBIT

AL-328

LUC

Some time ago, we equipped one of our Pattern Shop band saws with exhaust system for the purpose of sawing "Maranite." After a number of experiments, we finally decided to discontinue this practice and have sent our work to outside shops. The attached data sheets indicate the reason for our decision.

Attached is also copy of a letter from D. C. Harkins, Massena Works, to R. H. Allen, Vernon Works, and a copy of Allen's memo to me dated December 26, 1961.

Subsequent to receipt of Mr. Allen's memo, I had an opportunity to discuss the matter casually with Mr. Richard Hilton of the Vernon Health Department. I assured him we were no longer sawing "Maranite" but might decide to do it again at some future time if there was a reasonable solution to the problem.

Mr. Hilton asked me for a piece of "Maranite" for analysis purposes. Then, he and Mr. Hauger, the newly employed R. S. for Vernon, brought the piece back to our plant to saw it on the equipped band saw.

The visit was arranged as per your request during your recent visit. Messrs. Hilton and Hauger were escorted to the area by our Mr. J. W. Smythe of the Technical Department.

Mr. Smythe's letter to me, January 16, 1962, is attached and self-explanatory. If and when we receive a communication from Vernon Health Department, a copy will be forwarded to you.

ARCH 19197

TO DR. LESTER V. CRALLEY

DATE January 24, 1962

SHEET NO. 2

As indicated herein before, we are not now sawing any "Maranite" in the plant and do not intend to do so again unless and until we have resolved the problem with your assistance.

F. H. REGEHR

FHR:jsr

Attachments

cc: Messrs. F. R. Powell  
W. H. Sharp  
T. I. McClintock

ARCH 19198

Bldg. 5 - Sampling Sta. No. SPEC. Date 5-3 1961ATMOSPHERIC TESTSSample no. 1307 Analysis for ASBESTOS FIBEROperation MARINITE SAWING Location UTILITY BLDG. - PATTERN SHOPSAMPLING DATAPosition BREATHING LEVEL - WORKING AREA - APPROX. 30' DOWNWIND OF SAWTime of Sampling 10:47 AM To 10:57 AMMethod of Sampling MIDGET IMPINGERAbsorbing Medium ISOPROPANOL Volume 10 mlSuction Apparatus MIDGET IMPINGER PUMPVolume of Air Sample 1 C.F. Duration Min. 10 Air Sampling Rate 0.1 CFMREMARKS 1) SAWYER WEARS RESPIRATOR

2) PORTABLE VACUUM ATTACHED TO BAND SAW DURING SAWING OPERATION.

Method IH 2-6-46T Collected by NO. HoughlinANALYTICAL DATA

ADJUSTED VOLUME = 1044.2

CELL VOLUME FACTOR = 0.25

MEAN SAMPLE COUNT = 14.2

BLANK = 2.0

CALCULATIONS

$$\frac{(14.2 - 2.0) \times 4 \times 3636 \times 10}{1} = 1.774368 \times 10^4$$

RESULTS 1.8 MPPCF (MAC = 5 MPPCF) Chemist NO. HoughlinWEATHER CONDITIONSTemp. of Sampling 68 °F. Humidity 61 % Sky OVERCASTTemp. Outside 66 °F. Wind N.N.E.Percentage of Windows Open EAST & WEST DOORSREMARKS

ALUMINUM COMPANY OF AMERICA

COPY

VERNON WORKS

Bldg. 5 - Sampling Sta. No. SPEC. Date 5-3 19 61ATMOSPHERIC TESTSSample no. 1308 Analysis for ASBESTOS FIBEROperation MARINITE SEWING Location UTILITY BLDG - PATTERNS SHOPSAMPLING DATAPosition BREATHING LEVEL - 6' DOWNWIND OF SAWTime of Sampling 10:59 AM To 11:09 AMMethod of Sampling MIDGET IMPINGERAbsorbing Medium ISOPROPANOL Volume 10 mlSuction Apparatus MIDGET IMPINGER PUMPVolume of Air Sample 1 CF Duration Min. 10 Air Sampling Rate 0.1 CFMREMARKS

- 1) SAWYER WEARS RESPIRATOR.
- 2) PORTABLE VACUUM ATTACHED.

Method IH 2-6-46T Collected by D. HoughtonANALYTICAL DATA

ADJUSTED VOLUME = 10 ml

CELL VOLUME FACTOR = 0.25

MEAN SAMPLE COUNT = 67.2

BLANK = 2.0

CALCULATIONS

$$\frac{(67.2 - 2.0) \times 4 \times 3636 \times 10}{1} = 9.482688 \times 10^6$$

RESULTS 9.5 MPPCF (MAC = 5 MPPCF) Chemist D. HoughtonWEATHER CONDITIONSTemp. of Sampling 68 °F. Humidity 61 % Sky OVERCASTTemp. Outside 66 °F. Wind N.E.Percentage of Windows Open EAST & WEST DOORSREMARKS

ARCH 19200

ALUMINUM COMPANY OF AMERICA

COPY

VERNON WORKS

Bldg. 5 - Sampling Sta. No. SPEC. Date 7-19 19 61

ATMOSPHERIC TESTS

Sample no. 1326 Analysis for ASBESTOS FIBER

Operation MARINITE SAWING Location UTILITY BLDG - PATTERN SHOP

SAMPLING DATA

Position BREATHING LEVEL. 0-6' FROM SAW

Time of Sampling 8:44 AM To 8:54 AM

Method of Sampling MIDGET IMPINGER

Absorbing Medium ISOPROPANOL Volume 10 ml

Suction Apparatus MIDGET IMPINGER PUMP

Volume of Air Sample 1 CF Duration Min. 10 Air Sampling Rate 0.1 CFM

REMARKS

1) SAWYER WEARS RESPIRATOR.

2) PORTABLE VACUUM ATTACHED.

Method IN 2-4-46T Collected by L.D. Hoogland

ANALYTICAL DATA

ADJUSTED VOLUME = 1042

CELL VOLUME FACTOR = 0.25

MEAN SAMPLE COUNT = 207.6

BLANK = 1.4

CALCULATIONS 
$$\frac{(207.6 - 1.4) \times 4 \times 3636 \times 10}{1} = 29.989728 \times 10^6$$

RESULTS 30.0 MPPCF (MAC = 5 MPPCF) Chemist L.D. Hoogland

WEATHER CONDITIONS

Temp. of Sampling 76 °F. Humidity 55 % Sky OVERCAST

Temp. Outside 74 °F. Wind N.W.

Percentage of Windows Open ALL DOORS

REMARKS

ARCH 19201

Bldg. 5 - Sampling Sta. No. SPEC. Date 7-19 19 61

## ATMOSPHERIC TESTS

Sample no. 1327 Analysis for ASBESTOS FIBEROperation MARINITE SAWING Location UTILITY BLDG. - PATTERN SHOP

## SAMPLING DATA

Position BREATHING LEVEL - WORKING AREA - 10-30' RADIUS FROM SAWTime of Sampling 9:12 AM To 9:22 AMMethod of Sampling MIDGET IMPINGERAbsorbing Medium ISOPROPANOL Volume 10 mlSuction Apparatus MIDGET IMPINGER PUMPVolume of Air Sample 1 CF Duration Min. 10 Air Sampling Rate 0.1 CFM

## REMARKS

- 1) SAWYER WEARS RESPIRATOR.
- 2) PORTABLE VACUUM ATTACHED.

Method IN 2-6-46 T Collected by NO. Houghlin

## ANALYTICAL DATA

ADJUSTED VOLUME = 1042

CELL VOLUME FACTOR = 0.85

MEAN SAMPLE COUNT = 15.2

BLANK = 1.4

## CALCULATIONS

$$\frac{(15.2 - 1.4) \times 4 \times 3636 \times 10}{1} = 2.007072 \times 10^6$$

RESULTS 2.0 MPPCF (MAC = 5 MPPCF) Checked by NO. Houghlin

## WEATHER CONDITIONS

Temp. of Sampling 76 °F. Humidity 54 % Sky OVERCASTTemp. Outside 74 °F. Wind N.W.Percentage of Windows Open ALL DOORS

## REMARKS

ARCH 19202