INTERNAL CORRESPONDENCE January 24, 1962

FROM F. H. REGEHR
VERNON WORKS

TO DR. LESTER V. CRALLEY
PITTSBURGH OFFICE

~~M-C~~
~~FD~~
LUC

PLAINTIFF'S EXHIBIT
AL-328

RE: VISIT BY VERNON HEALTH DEPARTMENT

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

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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

ALUMINUM COMPANY OF AMERICA COPY VERNON WORKS

Bldg. 5 -Sampling Sta. No. SPEC. Date 5-3 1961

ATMOSPHERIC TESTS

Sample no. 1307 Analysis for ASBESTOS FIBER

Operation MARINITE SAWING Location UTILITY BLDG. - PATTERN SHOP

SAMPLING DATA

Position BREATHING LEVEL - WORKING AREA - APPROX. 30' DOWNWIND OF SAW

Time of Sampling 10:47 AM To 10:57 AM

Method of Sampling MIDGET IMPINGER

Absorbing Medium ISOPROPANOL Volume 10 ml

Suction Apparatus MIDGET IMPINGER PUMP

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

REMARKS 1) SAWYER WEARS RESPIRATOR
2) PORTABLE VACUUM ATTACHED TO BAND SAW DURING SAWING OPERATION.

Method IH 2-6-46T Collected by D. Hooghkirk

ANALYTICAL DATA

ADJUSTED VOLUME = 10 ml
CELL VOLUME FACTOR = 0.25
MEAN SAMPLE COUNT = 14.2
BLANK = 2.0

CALCULATIONS $\frac{(14.2-2.0) \times 4 \times 3636 \times 10}{1} = 1.774368 \times 10^{6}$

RESULTS 1.8 MPPCF (MAC = 5 MPPCF) Chemist D. Hooghkirk

WEATHER CONDITIONS

Temp. of Sampling 68 °F. Humidity 61 % Sky OVERCAST

Temp. Outside 66 °F. Wind N.N.E.

Percentage of Windows Open EAST & WEST DOORS

REMARKS

F-2114 Rev.

ARCH 19199

ALUMINUM COMPANY OF AMERICA COPY VERNON WORKS

Bldg. 57 -Sampling Sta. No. SPEC. Date 5-3 19 61

ATMOSPHERIC TESTS

Sample no. 1308 Analysis for ASBESTOS FIBER

Operation MARINITE SAWING Location UTILITY BLDG - PATTERN SHOP

SAMPLING DATA

Position BREATHING LEVEL - 6' DOWNWIND OF SAW

Time of Sampling 10:59 AM To 11:09 AM

Method of Sampling MIDGET IMPINGER

Absorbing Medium ISOPROPANOL Volume 10 ml

Suction Apparatus MIDGET IMPINGER PUMP

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

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

Method IH 2-6-76T Collected by D. Hoglund

ANALYTICAL DATA

ADJUSTED VOLUME = 10 ML

CELL VOLUME FACTOR = 0.25

MEAN SAMPLE COUNT = 67.2

BLANK = 2.0

CALCULATIONS $\frac{(67.2 - 2.0) \times 4 \times 3636 \times 10}{1} = 9.482695 \times 10^6$

RESULTS 9.5 MPPCF (MAC = 5 MPPCF) Chemist D. Hoglund

WEATHER CONDITIONS

Temp. of Sampling 68 °F. Humidity 61 % Sky OVERCAST

Temp. Outside 66 °F. Wind N.N.E.

Percentage of Windows Open EAST & WEST DOORS

REMARKS

ARCH 19200

F-2116 Rev.

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 IH 2-6-46T Collected by K.D. Wooldridge

ANALYTICAL DATA

ADJUSTED VOLUME = 10ML

CELL VOLUME FACTOR: 0.25

MEAN SAMPLE COUNT = 207.6

BLANK = 1.4

CALCULATIONS $\frac{(207.6 - 1.4) \times 4 \times 363.6 \times 10}{1} = 29.989728 \times 10^{6}$

RESULTS 30.0 MPPCF (MAC = 5 MPPCF) Chemist K.D. Wooldridge

WEATHER CONDITIONS

Temp. of Sampling 76 °F. Humidity 54 % Sky OVERCAST

Temp. Outside 74 °F. Wind N.W.

Percentage of Windows Open ALL DOORS

REMARKS

ARCH 19201

COPY

ALUMINUM COMPANY OF AMERICA — VERNON WORKS

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

ATMOSPHERIC TESTS

Sample no. 1327 Analysis for ASBESTOS FIBER

Operation MARINITE SAWING Location UTILITY BLDG. - PATTERN SHOP

SAMPLING DATA

Position BREATHING LEVEL - WORKING AREA - 10-30' RADIUS FROM SAW

Time of Sampling 9:12 AM To 9:22 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 IH 2-6-4 6 T Collected by W. Hoglund

ANALYTICAL DATA

ADJUSTED VOLUME = 10 ML
CELL VOLUME FACTOR = 0.25
MEAN SAMPLE COUNT = 15.2
BLANK = 1.4

CALCULATIONS $\frac{(15.2 - 1.4) \times 4 \times 3630 \times 10}{1} = 2.007072 \times 10^6$

RESULTS 2.0 MPPCF (MAC = 5 MPPCF) Chemist W. Hoglund

WEATHER CONDITIONS

Temp. of Sampling 74 °F. Humidity 54 % Sky OVERCAST

Temp. Outside 74 °F. Wind N.W.

Percentage of Windows Open ALL DOORS

REMARKS

ARCH 19202

F-2116 Rev.