



PLAINTIFF'S EXHIBIT

FD-1529

Inter Office

Personnel and Organization Staff

March 23, 1983

Mr. R. C. Scott
Safety Engineer
Van Dyke Plant

cc R. D. Byrom ✓
J. J. Whelan

Subject: Bulk Asbestos Material Re-Test - Insulation Material from
Van Dyke Plant Powerhouse

As a result of discrepancies between asbestos testing results from our Industrial Hygiene Laboratory and the Michigan Department of Public Health (MDPH), the two bulk samples of insulation material received on 28 February 1983 were forwarded to an outside laboratory for further analysis. Samples were sent to Environmental Research Group, Inc. of Ann Arbor and analyzed by polarized light microscopy (PLM). PLM is the same technique used by MDPH.

The attached analytical report indicates the subject samples did indeed contain asbestos. Specifically, 14 percent chrysotile and 22 to 25 percent amosite forms of asbestos were found which is relatively consistent with MDPH results. Consequently, the insulation material must be regarded as containing asbestos and all aspects of OSHA Asbestos Regulation 29CFR 1910.1001 must be complied with.

We are investigating possible causes of our initial false negative report. We believe it to be related to a possible masking effect in the color changes when both amosite and chrysotile forms of asbestos are present in the sample. Steps have been taken to assure that this does not occur with future samples. Our initial report of 10 March 1983 should be disregarded.

If you have further questions, please call on 33-78955.

D. S. Carruthers, Industrial Hygienist
Industrial Hygiene & Toxicology Department
Employee Health Services

dw
Attachment

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SCF-FORD-3294

PRODUCED BY FORD



ANALYTICAL REPORT

ENVIRONMENTAL RESEARCH GROUP, INC.

117 N. FIRST
ANN ARBOR, MICHIGAN 48104 (313) 662-3104

PROJECT 9457
REPORT DATE 03-16-83

CLIENT F.D. NP-48111
REPORT 52

SAMPLES RECVD: 03-14-83
REFER TECHNICAL QUESTIONS
TO: KATHRYN H. BERRY, CIH

CLIENT:
FORD MOTOR COMPANY
CENTRAL LAB
INDUSTRIAL HYGIENE
15000 CENTURY DR.
DEARBORN, MI 48121
ATTENTION: DAVE CARRUTHERS

APPROVED.

Kathryn H. Berry

RESIDUAL SAMPLES WILL
BE HELD FOR TWO WEEKS

CLIENT I.D. DSC 1637
ERG SAMPLE NO. 03/096289
MATRIX BULK SAMPLE

PARAMETER	RESULTS	UNITS
ASBESTOS, BULK ANALYSIS (P.M.)		
CHRYSTILE	14	%
AMOSITE	25	%
CROCIDOLITE	ND (1)	%
OTHER ASBESTOS	ND (1)	%
FIBER GLASS, MINERAL WOOL	ND (1)	%
OTHER COMPONENT	MORTAR	
HOMOGENIZED PRIOR TO ANALYSIS	YES	
FRIABILITY	MODERATE	
COMMENTS: APPEARANCE - HOMOGENEOUS MATERIAL FIBROUS WHITE COLOR		

CLIENT I.D. DSC 1637
ERG SAMPLE NO. 03/096289
MATRIX BULK SAMPLE

PARAMETER	RESULTS	UNITS
ASBESTOS, BULK ANALYSIS (P.M.)		
CHRYSTILE	14	%
AMOSITE	22	%
CROCIDOLITE	ND (1)	%
OTHER ASBESTOS	ND (1)	%
FIBER GLASS, MINERAL WOOL	ND (1)	%
OTHER COMPONENT	MORTAR	
HOMOGENIZED PRIOR TO ANALYSIS	YES	
FRIABILITY	MODERATE	

CONTINUED

PAGE 1 SEE LAST PAGE FOR EXPLANATION OF SYMBOLS

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ANALYTICAL REPORT

ENVIRONMENTAL RESEARCH GROUP, INC.

ERG PROJECT NO. 9457 - FORD MOTOR COMPANY

03-16-83

COMMENTS: APPEARANCE - HOMOGENEOUS MATERIAL
FIBROUS WHITE COLOR

FR - SEE FIELD REPORT FOR RESULT
NA - NOT APPLICABLE TO TEST REQUESTED
ND - NONDETECTED, DETECTION LIMIT IN ()
SD - SAMPLE DAMAGED
SR - SEE ATTACHED REPORT FOR RESULT
C - POSITIVE RESULT BUT AT UNGUANTIFIABLE
CONCENTRATION BELOW INDICATED LEVEL

THANK YOU FOR YOUR BUSINESS !

PAGE 2 (LAST PAGE)

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