



File

PLAINTIFF'S EXHIBIT

FD-1916

Inter Office

Personnel and Organization Staff

October 14, 1982

Mr. C. D. Peterson
Safety Engineer
Sandusky Plant

cc D. B. Vaughan

Subject: Bulk Asbestos Determination from Furnace Insulation

As indicated in our memo of August 10, 1982, the bulk samples of furnace insulation were forwarded to Clayton Environmental Consultants, Inc. for further asbestos analyses. The purpose was to confirm our laboratory's initial color screening test which proved "positive" for asbestos.

The Clayton lab results are outlined on the attached data sheet. Table I indicates a composition of 25 to 30 percent chrysotile asbestos using polarized light microscopy. Table II indicates a composition of 12 to 13 percent chrysotile asbestos using X-ray diffraction on the same samples. The X-ray diffraction results probably most accurately reflect the true asbestos content in bulk samples of this type.

Regardless of the interpretation among results, in all cases there was positive identification of asbestos and a potential asbestos dust hazard is apparent from this material, particularly during demolition activities. As indicated in our initial telephone conversations, employees handling the insulation must be provided, as a minimum, approved respiratory protection for asbestos-containing dusts and clean, separately laundered, coveralls. Wet methods of removal must be used in accordance with OSHA 1910.1001(2).

We have since been informed that the subject furnace has been removed off-site by an independent contractor and, therefore, the potential hazard to Company employees has been eliminated. Please advise if we can be of further assistance in this matter.

D. S. Carruthers, Industrial Hygienist
Industrial Hygiene Services Section
Employee Health Services

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Attachment

SCF-FORD-3246

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CLAYTON ENVIRONMENTAL CONSULTANTS, INC.

Results of Analyses
for

Ford Motor Company

Job No. 15477-882-LA

Table I

<u>Lab Number</u>	<u>Sample Description</u>	<u>Asbestos Composition</u>	<u>Non-Asbestos Fibers</u>
239693	EED Sandusky #1 insulation; gray fibers and filler compressed	~25% chrysotile	No fibers detected
239694	EED Sandusky #2 insulation; gray fibers and filler compressed	~30% chrysotile	<1% cellulose

Analyses performed in accordance with EPA protocol for asbestos using polarized light microscopy (PLM).

Table II

<u>Lab Number</u>	<u>Sample Description</u>	<u>Asbestos Composition</u>
239693	EED Sandusky #1 insulation; gray fibers and filler compressed	12% chrysotile
239694	EED Sandusky #2 insulation; gray fibers and filler compressed	13% chrysotile

Analyses performed by x-ray diffraction (XRD).
No other forms of asbestos were detected.

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