ESSO RESEARCH AND ENGINEERING COMPANY

MEDICAL RESEARCH DIVISION — P. O. BOX 45, LINDEN, N. J. 07036

May 10, 1966

PLAINTIFF'S EXHIBIT
tabbies
EXX-22

Mr. N. V. Hendricks
Medical Department
Standard Oil Co. (N.J.)
30 Rockefeller Plaza
New York, New York

Dear Mr. Hendricks:

In answer to your letter of April 20, 1966 concerning the asbestos content of certain insulating materials, I have assembled information about each item. This information was obtained from the manufacturers of the specific insulating materials and from Esso Engineering personnel familiar with materials of construction.

1. Thermobestos

This material is manufactured by the Johns-Manville Corporation in two locations. At the Manville, New Jersey plant the product contains approximately 10% chrysotile asbestos fiber and 90% calcium silicate. At their Long Beach, California plant the product contains approximately 5% chrysotile asbestos fiber, 5% amosite asbestos fiber, and 90% calcium silicate.

2. 85% Magnesia

This material, also known as magnesia pipe covering and block, is manufactured by Johns-Manville. It contains approximately 8% amosite asbestos fiber, 4% chrysotile asbestos fiber, and 88% magnesium basic carbonate.

3. Rock Wool

This material is made from slag and should contain no asbestos fibers.

4. Refractory Cement - A.P. Green Co. KS-4

Based on its useful operating temperature of about 2400°F this product should not contain any asbestos.

5. Refractory Cement - Johns-Manville Aluminum-Silicate Base

These refractory cements are basically clays, fillers, and various types of cement. Although there are a number of different types of refractory cements under various Johns-Manville brand names none of them contain asbestos fibers.

6. Refractory Cement - Ceramica Carabobo Harwaco Bond

Information from the manufacturer, Harbison-Walker Refractories Company, indicates that this material does not contain any asbestos.

7. Refractory Cement - Mex-R-Co Refractories Co.-Super Hilose

An inquiry on this material is still pending, however, its operating characteristics suggest that it contains no asbestos.

If any additional information is received, we will forward it to you.

Sincerely yours,

Richard S. Brief

RSB:nac

cc: F. S. Venable