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INSPECTION DEPARTMENT

ASSOCIATED FACTORY MUTUAL FIRE
INSURANCE COMPANIES

184 HIGH STREET
BOSTON, MASS.

August 9, 1935



Arkwright Mutual Fire Ins. Co.,
Boston, Mass.

Attention Mr. C. G. Richmond, Engineer

Raybestos-Manhattan Inc.
Charleston, S. C.
Index No. 82980
Asbestos-Cotton Dusts

Gentlemen:

The two samples of dusts consisting of mixtures of asbestos and cotton that were submitted by the above Assured have been tested to determine their fire hazard. It is understood that these samples represent the type of dust that will pass through the dust collecting flue that is to be installed on the roof of Building No. 3 at the above plant.

Attempts were made to burn both samples by heating them in a bunsen flame. The samples could not be made to burn with flame combustion and although a small amount of smouldering was observed, this smouldering would only continue for a few seconds after the bunsen flame was withdrawn.

Tests were also made to determine the cotton content of these materials. One sample was found to contain approximately 3.25% cotton and the other approximately 2.15% by weight. This does not exactly check the 2.4% average reported by the Assured but the difference is probably due to a lack of uniformity of the samples.

It is understood that the Assured plan to build a dust flue of sheet metal with the exception of the floor which is to be constructed of wood. It is still believed that this floor should be lined on the inside with sheet metal.

Yours truly,
INSPECTION DEPARTMENT
E. E. Crandall, Asst. Engr.

EEC:EE-6
Enc 2 cc this letter
cc to F.C.

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