



Bell Laboratories

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Mr. Lucius Williams
Supervisor - Safety
AT&T - Long Lines
Bedminster, New Jersey

The seven bulk insulation samples you gave to me for asbestos analysis have been completed. Results are as follows:

Sample 1: "Headquarters Vending Machine"

This sample was analyzed only by optical light microscopy because there was not enough material to perform an x-ray scan. Dispersion staining microscopy revealed the presence of birefringent fibrous material with the optical characteristics of cellulose. No fibrous material with the optical and morphological characteristics of asbestos was seen. This sample does not contain asbestos.

Sample 2: "Insulation From Furnace Room, Plymouth Jet, Michigan"

This sample was analyzed by optical light microscopy and x-ray diffraction. An x-ray diffraction scan of this sample revealed that this sample contains an amphibole form of asbestos. Dispersion staining microscopy revealed the presence of birefringent fibrous material with the optical and morphological characteristics of asbestos. This sample does contain asbestos.

Sample 3: (Randallstown) and Sample 4: (Lanark, Pa.)

Sample 3 was analyzed by dispersion staining optical light microscopy. Fibrous material with the optical and morphological characteristics of chrysotile asbestos was seen. This sample contains asbestos.

Sample 4 was not analyzed. The container holding this sample was received broken and the sample was contaminated.

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Sample 5: "811 Main Kansas City Basement" and
Sample 6: "811 Main Lobby"

An x-ray diffraction scan of sample 5 revealed that this sample contains an amphibole form of asbestos. Dispersion staining microscopy revealed the presence of birefringent fibrous material with the optical and morphological characteristics of asbestos. This sample does contain asbestos.

An x-ray diffraction scan of sample 6 revealed that this sample contains an amphibole form of asbestos. Dispersion staining microscopy revealed the presence of birefringent fibrous material with the optical and morphological characteristics of asbestos. This sample does contain asbestos.

Sample 7: "BSSC Conference Room, 825 Main Kansas City"

An x-ray diffraction scan of this sample revealed that this sample contains an amphibole form of asbestos. Dispersion staining microscopy revealed the presence of birefringent fibrous material with the optical and morphological characteristics of asbestos. This sample does contain asbestos.

If you have any questions about this analysis, please give me a call at (201) 582-7512.



David Rainer
Field Industrial Hygienist

MH-8691-DR-sma

Ref: 1211

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