PLAINTIFF'S
EXHIBIT
USX-77

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June 5, 1981

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Analysis of Insulation Material

On May 29, 1981, an unidentified sample of insulation material was received from Pat Bossler of Clairton Works for determination of possible asbestos content. Pat indicated that the material tested positive for iron using the SKC asbestos screening method.

Dust generated from the sample was examined under polarizing light microscopy at 450x and was found to contain a significant fibrous component. However, these were extremely long, pitted, ribbon-like, singular fibers, unlike the fibrous bundles generally found in asbestos materials. In addition, the wide fiber diameters, ranging from 10 to 50 microns, were much larger than those usually observed in asbestos fibers.

In summary, it is our opinion that the fibrous component of this sample is not asbestos, but probably some form of paper or wood fiber.

J. F. Quealy

jmr