



PLAINTIFF'S EXHIBIT

FD-1703

Inter Office

Personnel and Organization Staff

September 19, 1983

Mr. M. K. Lindsey,
Senior Safety Engineer
Sharonville Plant

cc: R. D. Byrom, R. Hric

Subject: Analysis of Insulating Material - Asbestos

References: 1) Volume 29, Code of Federal Regulations - 1910.1001
2) IRAM Industrial Hygiene Bulletin No. 4, 4b

As you requested, the samples of insulating material obtained from various locations throughout the plant were analyzed for asbestos content. This was in response to concern expressed by management and employees to airborne dust from these materials that might present an asbestos inhalation hazard.

Test results, as shown on the attached data sheet, reveal that nine of the twelve samples contain significant amounts of asbestos. These results, along with a copy of the OSHA asbestos standard regulations, should be shared with powerhouse employees, pipefitters and pipecoverers with potential exposure to the asbestos-containing material, and the Union Health and Safety Representative.

Excessive exposure to airborne asbestos fiber and dust may cause serious irreversible, adverse health effects many years after exposure. These include asbestosis, a progressively disabling lung disease, and cancer of the respiratory tract and of the chest and abdominal cavities. The long latency period between exposure and when disease may develop emphasizes the importance of preventive industrial hygiene control methods.

Steps must be taken to assure that employees with potential exposure to asbestos are aware of these health effects and that proper precautions are taken to eliminate asbestos fiber inhalation. These include wet methods of dust suppression, use of effective respirators, vacuuming, local exhaust ventilation, debris containment and protective clothing.

If there are questions regarding this report or industrial hygiene control methods for asbestos, please call us at 33-78955.

Sarunas Mingela
Sarunas Mingela, Industrial Hygiene Associate
Industrial Hygiene Services
Employee Health Services

Attachment

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INDUSTRIAL HYGIENE SERVICES
ENVIRONMENTAL HEALTH AFFAIRS
EMPLOYEE HEALTH SERVICES

SHARONVILLE PLANT
August 2, 1983

BULK ASBESTOS ANALYSIS

<u>Location</u>	<u>% Asbestos and Type</u>	<u>Friability</u>	<u>Balance of Other Components</u>
Admin. Bldg.-Fan Room	35% chrysotile	high	mineral granules
Admin. Bldg.-Fan Room Floor Area	80% chrysotile	moderate	mineral granules and cloth
Admin. Bldg.-Fan Room	58% chrysotile 16% amosite	high	mineral granules and mortar
Roof outer computer room	N.D.	high	---
Roof computer room	N.D.	high	---
Rest Room at J-10	54% amosite	high	mortar
Substation #5 pipewrap	55% amosite	high	mortar
Substation pipewrap	N.D.	low	paint
Substation pipewrap	75% chrysotile 3% amosite	moderate	mineral granules and mortar
Rest Room Water Heater L36	N.D.	high	mortar
Rest Room Water Htr. Tape L36	N.D.	low	---
Washer #136, J-28	N.D.	moderate	granules
Restroom @ T-10	80% chrysotile 1% amosite	high	mineral granules and mortar
Main Aisle C-14	11% chrysotile 34% amosite	moderate	mortar
Main Aisle C-25	45% amosite 6% crocidolite	high	mortar

N.D. = Non-Detectable

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