PLAINTIFF'S EXHIBIT
FD-2052

Inter Office

Personnel and Organization Staff

July 3, 1980

Mr. R. J. Womac, Manager
Ypsilanti Plant
Electrical and Electronics Division

cc A. C. Constantinides, D.O.
G. H. Wolcott
P. J. Zande ✓

Subject: Industrial Hygiene Study - Ypsilanti Plant

As a follow-up to a State of Michigan Division of Occupational Health investigation conducted on April 2, 1980, an industrial hygiene study was conducted on June 24, 1980, to evaluate employe exposure to airborne asbestos and copper dust at armature operations in Departments 452-4, 452-5, and 4110.

The State of Michigan investigation was a result of an employe complaint of excess exposure to airborne asbestos and dust at the Molded Commutator Department. Results of the air samples taken during the State of Michigan investigation were within OSHA and MIOSHA limits for Time-Weighted Average Exposure (TWAE) and action levels for asbestos and the TWAE for total particulate. The Division of Occupational Health engineer, Mr. H. J. Pyzik, determined the Company was not in violation of any Michigan Occupational Health Standard, but included a copy of the Michigan Division of Occupational Health directive 78-4 (Minimum Airborne Fiber Concentration for Initiating and Continuing Asbestos Medical Examinations) for informational purposes.

The purpose of our study on June 24, 1980 was to assure that under present conditions there is no need to conduct medical examinations relative to employe asbestos exposure. Michigan Division of Occupational Health directive 78-4 states that medical examinations will be required if the Time-Weighted Average Exposure of a worker is at or above 0.1 fibers/cc asbestos. As can be seen from the attached data sheet, all of the results of air samples taken were below 0.1 fibers/cc asbestos. Additionally, the air samples taken were analyzed for copper dust, and all of the results of the analyses were below the 1.0 mg/M^3 Time-Weighted Average Exposure limit for copper dust.

H. B. Lick

H. B. Lick, Senior Industrial Hygienist
Industrial Hygiene & Toxicology Department
Employe Health Services

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Attachment

8007 1447

SCF-FORD-2055

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INDUSTRIAL HYGIENE SERVICES SECTION
INDUSTRIAL HYGIENE & TOXICOLOGY DEPARTMENT
EMPLOYE HEALTH SERVICES

YPSILANTI PLANT

PERMISSIBLE OCCUPATIONAL EXPOSURE LIMITS FOR AIRBORNE CONTAMINANT:

(f/cc = fibers per cubic centimeter of air)
(mg/M^3 = miligrams of particulate per cubic meter of air)

Contaminant	8-Hour Time Weighted Average Exposure Limit
Asbestos	2 f/cc
Copper	1 mg/M^3

Location and Condition	Airborne Contaminant Concentration	
	Asbestos	Copper
1. R. Holly, SS# 366-50-8803 Operator Lo-Swing Lathe No. 3, Dept No 452-4. Employe Breathing Zone Air Sample (B.Z.)	0.0129	0.03
2. G. A. Borgman, SS# 370-48-3101 Operator Lo-Swing Lathe No. 6, Dept No 452-4. (B.Z.)	0.0001	0.0128
3. B. F. Norris, SS# 026-78-1709 Operator Lo-Swing Lathe B.T.133768 Dept No 452-4. (B.Z.)	0.0065	0.0104
4. A. R. Trout, SS# 405-38-8574 Injection Molding Press Operator, Machines Nos. 2 & 3, Dept 452-5 (B.Z.)	0.0065	0.0042
5. E. H. Publiski, SS# 385-40-1505 Injection Molding Press Operator, Machines Nos. 1 & 4, Dept 452-5 (B.Z.)	0.0065	0.0050
6. W. H. Jones, SS# 406-10-2510 Floor Inspector, Armature Quality Control Operation, Dept 4110. (B.Z.)	0.0001	0.0103

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DATA RETRIEVAL NUMBERS: HBL 1001-1006

INSTRUMENTATION AND ANALYSIS: Bendix BDX Pumps with Milipine Type AA Membrane Filters. Fibers counted using 430 X Phase Microscopy.

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Industrial Hygiene & Toxicology Laboratory
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