



Inter Office

Personnel and
Organization StaffMr. G. R. Schoettley, Manager
Ypsilanti Plant

November 10, 1978

cc A. G. Constantinides, D.O.
L. K. Jacob
J. Morgan
R. U. Obringer

Subject: Asbestos Exposure Evaluation - Departments 4524, 4525, 491 and 488

As requested by Jeff Morgan, Safety Engineer, the Industrial Hygiene Services Section evaluated the magnitude of employee exposure to asbestos at the low swing lathe department, mold and commutator department and A. C. clutch department. Additionally, potential exposure from a deteriorating asbestos containing conveyor belt was also determined.

Breathing zone sampling conducted in the aforementioned areas indicate no significant employee exposure. Results, as shown on the attached data sheet ranged from "not detected" to 0.05 fibers per cubic centimeter of air. Based on these results, medical monitoring, as indicated in, Dr. Block's asbestos directive is not required. However, in view of the toxic nature of asbestos, airborne levels should be maintained as low as practicable. Therefore, plans for the replacement of the asbestos conveyor belt and improvements to the local exhaust ventilation system at the armature machining operation should be continued.

Sarunas Mingela
Senior Industrial Hygienist
Industrial Hygiene & Toxicology
Departmentb1
attachment

8005 0706

PRODUCED BY FORD

SCF-FORD-1634

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

YPSILANTI PLANT

September 8 and 12, 1978

Departments 4524, 4525, 491 & 488

PERMISSIBLE OCCUPATIONAL EXPOSURE LIMIT TO AIRBORNE CONTAMINANTS:

f/cc = fibers of asbestos per cubic centimeter of breathing zone air

<u>Contaminant</u>	<u>8-Hour Time Weighted Average Exposure</u>	<u>Ceiling Exposure</u>
Asbestos Fiber	2 f/cc	10f/cc

RESULTS

<u>Employee</u>	<u>Social Security Number</u>	<u>Location</u>	<u>Asbestos Concentration</u>
Derrick, A. L.	341-12-8181	Armature machining	0.03 f/cc
Stewart, F. W.	376-34-8813	Armature machining	0.05 f/cc
Meriwether, J.	366-60-2706	Armature machining	0.03 f/cc
Trout, A. R.	405-38-8574	Mold & Commutator	N.D. (1)
Morden, W. G.	376-42-9454	Mold & Commutator	0.04 f/cc
Jackson, H. K.	578-22-2667	Conveyor belt area	0.05 f/cc
Harper, K.	371-38-4168	A.C. clutch	N.D. (1)

Sample Data Retrieval Numbers: RMK-570 - RMK-580

Equipment & Instruments: Bendix personel air sampling pumps; 37mm membrane filters in plastic cassettes.

Asalysis: Clayton Environmental Consultants by Microscopic Filter Count.

(1) Less than 3000 fibers.

8005 0707

PRODUCED BY FORD