



Industries

Inter Office

Personnel and Organization Staff

April 2, 1981

PLAINTIFF'S EXHIBIT

FD-1414

Mr. R. L. Adams, Manager
Cleveland Engine Plants

cc E. F. Arscott, M.D. R. J. Manthey
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Subject: Asbestos Ambient Air Monitoring - Cleveland Engine Plants

As requested by Manufacturing Staff, air samples were taken at the Cleveland Engine Plants on February 25, 1981 to evaluate asbestos in air concentrations at locations reported to Manufacturing Staff as using asbestos. The areas evaluated included heat treat in Department 4690 at Plant No. 1 and Tocco camshaft hardening in Department 4976 at Plant No. 2. The use of asbestos insulating materials was reported in both of these departments, but only a few small asbestos gaskets were observed.

The permissible occupational exposure limit (PEL) for asbestos is 2.0 f/cc, and the action level for medical monitoring is 0.1 f/cc. As can be seen from the attached data sheet, none of the results of the air samples taken exceeded or neared the PEL or action level. Therefore, we plan no further evaluation relative to this subject at the Cleveland Plants.

H. B. Lick

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

jb
Attachment

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

Cleveland Engine Plants 1 and 2

Departments 4690 and 4976

February 25, 1981

PERMISSIBLE OCCUPATIONAL EXPOSURE LIMIT FOR AIRBORNE CONTAMINANTS:

<u>Contaminant</u>	<u>Permissible Exposure Limit in f/cc*</u>
Asbestos	2.0

* f/cc = Fibers of asbestos per cubic centimeter of air.

RESULTS

<u>Location/Conditions</u>	<u>Airborne Asbestos Concentration in f/cc</u>
Cleveland Engine No. 1, Dept. 4690 - <u>Metal Stamping</u>	
General Area Air Sample, near Column BB5 next to furnace 902	< 0.01
General Area Air Sample, near Column BB6 at control panel	< 0.01
General Area Air Sample, near Column BB7 at panel for west fan	< 0.01
Cleveland Engine No. 2, Dept. 4976 - <u>351 Camshaft Hardening</u>	
General Area Air Sample, near Column C-26	< 0.01
General Area Air Sample, near Column D-26	< 0.01

DATA RETRIEVAL NUMBERS: HBL 1193 - 1197

INSTRUMENTATION AND ANALYSIS: Bendix BDX pumps with Milipore Type AA, 0.8 μ membrane filters. Fibers counted using 430 x Phase Contrast microscopy.

ANALYST: L. Latorre, Senior Industrial Hygienist.

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