370 LEXINGTON AVENUE, NEW YORK, N. Y.



MEETING

COMMITTEE

5, 1971 at 9:00 A.M.

the

N AVENUE, NEW YORK, NEW YORK

Raybestos-Manhattan, Inc.
Firestone Tire & Rubber Company
World Bestos Division
Abex Corporation
American Brakeblok Division
Johns-Manville Corporation
Environmental Control Systems Division
Bendix Corporation
Bendix Research Laboratories
Carlisle Corporation
Molded Materials Division

iation, N.A., were the following:
Johns-Manville Corporation
Hill & Knowlton, Inc.,
Public Relations Counsel

Friction Materials Standards
Institute, Inc.

order.

the Committee and the background for
cause of the addition of asbestos as a
that state and federal regulations are
it was in the best interest for the vari-
osed regulations. Further, this committee
nstitute, Inc., could present the brake
views to both the Asbestos Information
various regulatory agencies. Another
keep the members of the Institute informed
ng asbestos both in-plant and in the general
s of measuring these asbestos concentrations

[redacted]

N ASSOCI P.FMSI. 0003

arisen for asbestos products and asbestos
al legislation where the spray coating
. A group of eight companies in asbestos
tos Information Association of North

Two of the members of the A.I.A. are also members of the F.M.S.I.: Raybestos-Manhattan, Inc., and Johns-Manville Corp.

Creation of an Asbestos Study Committee within the Friction Materials Standards Institute was considered desirable by some of the A.I.A. members so that a working group in a particular area (brake linings and clutch facings) could give some input to the A.I.A. for their particular problems.

Dr. Stefl discussed briefly two different areas that are of concern: Environmental Protection Agency (EPA) emission standards and the proposed Illinois law that would prohibit the use of asbestos in brake lining of vehicles manufactured after January 1, 1975, and sold for use in Illinois.

Mr. W. Raines then presented a slide program with an outline of the private and federal agencies who will be involved in environmental studies and rule making that will affect asbestos.

H.E.W. - Occupational Safety & Health - (the work area)
E.P.A. - Air Pollution (emission - general environment)
Nat'l Academy of Sciences (Doctors study to guide E.P.A.)
Various Private Research Institutes- (Studies based on Federal grants)

Mr. Raines then discussed the public's impressions concerning asbestos and the A.I.A.'s analysis of these impressions. This discussion was general concerning asbestos, and not aimed at the friction materials business.

ILLINOIS POLLUTION CONTROL BOARD

Mr. Callaghan read from a prepared 4 page write-up some background on the Illinois Pollution Control Board - its organization, personnel, financing and operations. Mr. Callaghan distributed copies of this write-up to all committee members. He particularly pointed out that with the Illinois proposed legislation, that this is the first time that brake lining as such has come under the legislative spotlight in the movements for asbestos particulate control.

LITERATURE CONCERNING ASBESTOS

Dr. Stefl discussed and distributed literature compiled by Mr. Callaghan concerning asbestos in brake lining:

Author	Publication
Bentley, H. L.	"Control of the Use of Asbestos - Containing Friction Materials."
Hatch, D.	"Possible Alternatives to Asbestos as a Friction Material."
Hickish, D. E. Knight, K. L.	"Exposure to Asbestos During Brake Maintenance."
Knight, K. L. Hickish, D. E.	"Investigations into Alternative Forms of Control for Dust Generated During the Cleaning of Brake Assemblies and Drums."
Lee, G. L.	"Removing Dusts from Brake Assemblies During Vehicle Servicing - Alternative Cleaning Methods."
Lynch, J. R.	"Brake Lining Decomposition Products."

Author	Publication
[illegible]	[illegible] Standards for Asbestos."
[illegible]	[illegible] Results."
----------	National Inventory of Sources and Emissions: Cadmium, Nickel, and Asbestos - 1968. Asbestos, Section III,"

VEHICULAR TESTS FOR ASBESTOS EMISSIONS

Mr. Cobb advised that Bendix Research Laboratories are under contract to the E.P.A. to test and measure asbestos emission from brake linings. Part of the project includes emissions from clutch facings. This is part of a study of non-engine vehicle emissions - primarily rubber from tires and particulates (primarily asbestos) from brake linings.

Bendix is working with Dr. [illegible] of the E.P.A. in Ann Arbor. It is planned to make a draft report on this work in April 1972, with a final report due in June 1972.

[illegible] PROCEDURES

[illegible] manufacturers, to be able to measure [illegible]. Reitze will have some data prepared [illegible] will be distributed to the general membership.

[illegible] COMMITTEE

[illegible] the friction material industry if [illegible] disseminate to its members information [illegible] in the work place (occupational) and [illegible] (environmental).

Beyond that, it was felt that the Committee could draft comments relative to proposed regulations concerning asbestos and the brake lining industry in defense of reasonableness in the regulations.

NAME, POSITION, ADDRESS OF COMMITTEE MEMBERS

Dr. Eugene P. Stefl, Administrative Assistant to President
Raybestos-Manhattan, Inc.
200 Middle Street
Bridgeport, Connecticut 06603.
(203) 367-8661

Mr. James C. Henning, Manager, Technical Research
World Bestos Company, Division of
The Firestone Tire & Rubber Company
New Castle, Indiana 47362
(317) 529-4790

[illegible] Manager of Manufacturing
American Brakeblok Division
Abex Corporation
[illegible], Va. 22601
(703) 662-3871

NAME, POSITION, ADDRESS, OF COMMITTEE MEMBERS (Con't)

Mr. William B. Reitze, Business Mgr. - Industrial Hygiene Engineering Services
Johns-Manville Corporation
Research and Engineering Center
Manville, N. J. 08835
(201) 722-9000

(Note: Mr. Reitze is on the way to J-M's new Hdqtrs. in Denver, Colorado.)

Dr. William Spurgeon, Manager - Materials and Processes Dept.
Bendix Research Laboratories
The Bendix Corporation
Bendix Center
Southfield, Michigan 48075
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Mr. James B. Graham, Jr., Plant Manager
Molded Materials Division
Carlisle Corporation
Ridgway, Pa. 15853
(814) 773-3187

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Upon motion duly made, seconded and unanimously passed, it was

RESOLVED: To adjourn.

Adjourned at 2:00 P. M.

E. W. Drislane
Executive Secretary