

 Manufacturing Practice ☒ New ☐ Revised	Subject: EMPLOYE EXPOSURE TO ASBESTOS CONTAINING NON-PRODUCTION MATERIALS	Number 303
		Date December 1981
		APPLICABLE TO
		☒ MANUFACTURING ENGINEERING
		☒ PLANT ENGINEERING
		☐ QUALITY CONTROL
		☒ Operating Management
		Effective: Immediately

I. Purpose

The purpose of this practice is to set forth the principles for ensuring the protection of employees from exposure to materials containing asbestos used in non-production applications including new construction, renovation, demolition, maintenance, tooling, machinery and equipment, and protective apparel.

II. Application

This Practice applies to all Company facilities in North America. It is recommended that subsidiaries and affiliates adopt a similar Practice.

III. Background

Asbestos is a recognized human carcinogen. Asbestos fibers may be released from materials by sawing, cutting, drilling or similar operations. Construction materials, notably pipe insulation and sprayed fireproofing, may release asbestos fibers because of the natural deterioration of the materials over a long period of time. Exposure to these asbestos fibers through inhalation may be a health risk to employees and it is intended, where feasible, to eliminate the use of non-production materials containing asbestos.

U.S. regulatory agencies are discouraging the use of asbestos in all applications where substitutes are available or being developed. It is expected that regulations will be promulgated in the future which will reduce asbestos consumption by restricting asbestos production and prohibiting non-essential uses of asbestos.

Although there are many construction materials that contain asbestos, only a few, such as vinyl asbestos floor tile, cement-asbestos panels, and roof flashings and adhesives, have been used by Ford U.S. In many instances there are a variety of non-asbestos materials that may be substituted for these asbestos based products with little or no penalty in cost or material quality.

PLAINTIFF'S EXHIBIT

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IV. Operating Principles

For ensuring the protection of employees potentially exposed to non-production materials that contain asbestos each division/plant must:

- identify and examine uses of materials that contain asbestos within the plant. The attached check list should be used as a guide.
- specify where feasible non-asbestos materials when purchasing new tooling, machinery and equipment, and protective apparel.
- specify where feasible non-asbestos materials in maintenance work.
- specify non-asbestos materials for all new construction and renovation work.
- instruct employees in good work practices and provide, where feasible, engineering control of dust generated during maintenance, or replacement of asbestos containing materials.
- provide respiratory and other protection in compliance with OSHA standard 1910.1001 "Asbestos", for employees potentially exposed to asbestos and where feasible engineering control is unavailable.
- assure cleanup and disposal of asbestos debris in accordance with standard 1910.1001 and Stationary Source Environmental Control Office waste disposal requirements.
- provide medical examinations in compliance with the OSHA standard and Employee Health Services communication of May 2, 1978, titled "Medical Monitoring - Asbestos Exposure".


 G. O. Keulgen
 Executive Director
 Manufacturing Staff

Concur: 
 D. L. Block, M.D.
 Medical Director

Attachment: "Check List for Identifying
 Products Containing Asbestos"

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CHECK LIST FOR IDENTIFYING PRODUCTS CONTAINING ASBESTOS

Asbestos Paper Products

Acoustical ceiling tile
Roofing felts (outer layers)
Pipe and boiler covering
Vinyl asbestos floor tile a/
Paper sheets for heat insulation
Millboard
Asbestos paper
Metal reinforced gaskets
(for air cooled engines)
Tape for pipe insulation
Lining for ovens, kilns, safes,
safety boxes, incinerators
Wall & floor protection near heat
generating products
Soldering and welding blocks
Fireproof wallboard b/
Filtering materials

Cloth and Woven Products

Textiles
Cord
Seals for high temperature gaskets
Valve steam packings
Insulation for glass handling tools
Gaskets
Reinforcement in asbestos tapes
Secondary insulation in high
temperature wire and cable
Asphalt impregnated roofing felts
Theater curtains
Gloves
Hats
Helmets
Hoods
Mittens
Overgaiters
Sleeves
Suits
Aprons
Arm protectors
Flame resistant blankets
Boots

Asbestos Cement Products

Water, sewer and septic drain field pipe
Air duct pipe
Sheet Products
Roofing clapboard c/
Siding c/
Shingles
Boiler and furnace baffles
Bulk sheeting
Welding shields
Laboratory table tops

Viscous Matrix Products

Adhesives (glues and epoxies)
Air duct cement for asbestos cement
air duct
Caulks and putties
Floor tile cement and mortar
Flashing cement
Furnace Cement
Roof and driveway coatings
Texture paints
Resins
Glazing compounds

Molded Products

Bearings
Welding Electrodes
Rheostat Backing

Miscellaneous Products

Acoustical and thermal insulation
material (sprayed)
Friction Materials
Clutch plates
Brake linings
Powder (Asbestos)
Bulk fiber
Abrasive wheels
Cement, dry wall and plaster
patching compounds

a/ use vinyl tile
b/ use gypsum dry wall
c/ use metal