PLAINTIFF'S EXHIBIT

UC-3128

UNION CARBIDE CORPORATION
ENGINEERING, MANUFACTURING, AND TECHNOLOGY SERVICES DIVISION
CENTRAL ENGINEERING
P. O. BOX 8361
SOUTH CHARLESTON, WEST VIRGINIA 25303

Agenda Item 4.2
Agenda Item 4A
Agenda Item 6.

M E M O R A N D U M

BUSINESS CONFIDENTIAL

March 23, 1987

RECEIVED
MAR 25 1987
CCN

TO: Mr. C. C. Neely

FROM: G. B. Elder

SUBJECT: Input to Minutes, March 17 Meeting on Phase-Out of Asbestos-Containing Materials

Item 4.2, Replacement of Asbestos-Containing Insulation as Required to Maintain Structural and Functional Integrity.

Abestos-containing insulation becomes a hazard when the weather barrier becomes damaged or other conditions such as powdering of the insulation allows asbestos particles to become airborne. Corrective action would be removal of the insulation or sealing the barrier to prevent airborne dust.

The Task Group agreed that each location is responsible for and aware of the problem and that a criteria from the Task Group is not desirable.

Item 4.4, Use of Asbestos-Substitute Materials

1. Insulation

   a. Insulation materials that do not contain asbestos are the only materials currently specified and used, so no action is required.

2. Gaskets

   a. Suitable substitutes are available and already accepted in the specifications (Grafoil, Spiral-wound with Teflon or Grafoil, reinforced Teflon).

   b. Aramid-reinforced "nonasbestos" materials do not pass fire tests and have limited ability to maintain preload. A crash program to test these materials is not justified and a program currently sponsored by the Materials Technology Institute has promise of providing an inexpensive way to test such materials in the future.

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c. New materials that may be introduced as asbestos substitutes will be tested as a normal technology activity.

3. Packing

a. Grafoil and graphite-fiber packing will be adequate, so no action is required.

4. Machine Gaskets

a. These gaskets are bought as sets for the machines and substitutes are selected by the machine manufacturer.

Item 6, Identification of Asbestos-Free Insulation.

a. Harold Clem's memorandum (attached) lists identifiers currently being used in insulation to show that it does not contain asbestos.

b. Harold Clem is polling the C&P locations to determine if they are currently using identification tapes, embossed or color-coded metal weather barriers or other methods to identify insulation containing asbestos and/or insulation free of asbestos. Location Practices documenting the identification codes will be issued in the Insulation Manual as appropriate.

Schedule:

Complete poll of identification codes - May 15.

Issue Location Practices - September 30.

Budget: $6000.

GBE/ds
2006H

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