PLAINTIFF'S EXHIBIT

UC-2888

BUSINESS CONFIDENTIAL

UNION CARBIDE CORPORATION
ENGINEERING AND HYDROCARBONS DIVISION
CENTRAL ENGINEERING
SOUTH CHARLESTON, WEST VIRGINIA

MEMORANDUM

June 12, 1987

TO: L. E. Calvert, 803
S. W. Clark, 511
G. B. Elder, 511
R. W. Engle, 511
T. E. Hanning, 511
C. C. Neely, 511

CC: P. D. Franson, 511
J. E. Sanders, 511

FROM: H. G. Clem

SUBJECT: ASBESTOS-CONTAINING WEATHER BARRIER MASTICS FOR THERMAL INSULATION

A complete review of Material Safety Data sheets of approved products was conducted recently. Our examination revealed an potential safety and health concern with specific vapor barrier and weather barrier mastics which contained 4 to 16% asbestos up to 1984-1986. The asbestos was apparently used as a thixotropic or thickening additive in several formulations of asphaltic and latex mastic materials with the rationale that asbestos exposure would be minimized because the fibers would be encapsulated in the resinous vehicle or binder.

Mr. C. C. Neely recommended that this subject be brought to the attention of members of the UCC Task Group on the Phaseout of Asbestos-Containing Materials in the Workplace, Chemicals and Plastics Group as an agenda topic for your meeting in the next few weeks.

The mastic products which contained asbestos, listed in Table I, have all been reformulated to be asbestos-free. The only manufacturer now producing both asbestos containing and asbestos-free mastics is Plastics Coatings Corp. of St. Albans, WV; "JAXSAN 600 SF" is the asbestos-free product designation for their material which is currently being supplied to Union Carbide plants.

Since the referenced mastics have been reformulated, production of nearly all asbestos-containing mastics has been phased out. The problem in the plant environment will likely be in the repair, removal, and disposal of deteriorated mastic weather barriers which may contain asbestos. It would appear that any friable weather barrier mastics with greater than 1% asbestos by weight would fall under the EPA regulations outlined in paragraph 2.6.1 of SH-256, "Removal and Handling of Asbestos-Containing Insulation Material", but Mr. T. E. Hanning would certainly be more qualified to determine if this is the case.

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Your comments on this issue will be greatly appreciated. If it is determined that a significant safety and health problem exists, please advise whether an informative memo to holders of the Insulation Technology - Thermal Insulation Manual is required or if other communication channels will be used.

H. G. Clem

HGC:es

ATTACHMENT

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TABLE I

Material Spec.	Manufacturer	Trade Name	REMARKS
1	Pittsburgh-Corning	Pittcote 300	Asbestos-free Since 1984
		Pittcote 303AL	Deleted product
	Lion Oil Company	Seal Kote (Standard)	Asbestos-free Since 1985
		Al-Kote (Heavy)	Asbestos-free Since 1985
2,3,4,5 6,7,9,10 11,12,14 40	Childers Products Company	Vi-Cryl CP-10 and CP-11	Asbestos-free Since 1985-1986
	Plastics Coatings Corp.	Jaxsan 600SF	Asbestos-free Since 1986
		Jaxsan 600	This product contains 4.3% Asbestos

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