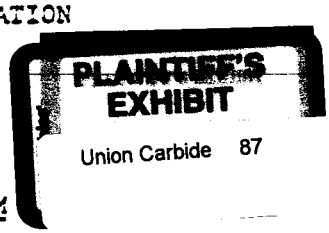


UNION CARBIDE CORPORATION
Nuclear Division

New York, N. Y.



J. A. Riddle
E. W. Haskins
L. F. Crow
G. C. Bnce
S. Kamens
West
G. Vessels
Shifleys

MEMORANDUM

January 12, 1965

To: Messrs. T. Dougherty
R. A. Miller
R. Stobaeus
T. R. van Fleet

cc: Messrs. K. W. Lentz
A. E. Pufahl

G. S. Jordan
H. F. Reichard
N. J. Setter
R. G. Woolery

J. A. Riddle

Dr. C. U. Darnehl

Subject: ASBESTOS TOXICOLOGY REPORT

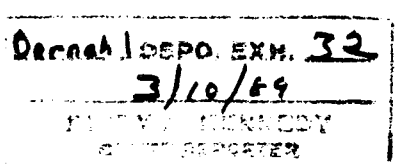
Gentlemen:

Recently several reports were given at technical meetings and summaries of them carried by the national wire services concerning possible carcinogenic properties of asbestos. Some of you may have received questions from your customers on this subject.

In order to counteract any serious problems or worries before they get out of hand, we have asked Dr. C. U. Darnehl, Director of Toxicology, Union Carbide Corporation, to formulate a statement for us. A copy of his statement is enclosed. Additional copies can be obtained from me or you may make your own copies if you wish to pass them on to interested customers. You will note that, in essence, the report states that good housekeeping -- such as would be required in any dust-producing operation -- should be sufficient to prevent any problem with asbestosis. You will also note that he mentions use in a wet system -- which certainly applies to the paper mill -- and a pellet form -- one of the strong points of our asbestos -- as additional means of minimizing any potential problem with the product.

Further, other asbestos producers and those acquainted with the subject feel that the original data upon which the cancer-producing report was based did not take into account any outside influences, such as smoking or corrosive atmospheres, which also might produce cancer. Here, it should be noted that much asbestos usage considered in the technical papers is in conjunction with tar and pitch compounds which are known to contain carcinogenic materials.

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You should have this statement available for any questions which might arise from your customers. If appropriate in your judgment, perhaps it should be discussed with certain customers who have not yet raised the subject. I do not feel we should make a big issue of it thereby drawing unnecessary attention to the subject since the conclusions are still questionable.

If you have any questions, please discuss them with me.

Very truly yours,

Thos J. Hall

T.J.Hall/dk

enc.

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