PLAINTIFF'S EXHIBIT
DUP-155

E. I. du Pont de Nemours & Company
Wilmington, Delaware 19898
Engineering Department

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IC 32-Design Process

June 2, 1975

RECEIVED
JUN 5 1975
HASKELL LAB.

C. F. REINHARDT, M.D.
CENTRAL RESEARCH DEPARTMENT
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PROJECT 1692 - VICTORIA - ADIPIC ACID COOLER
PROJECT 1295 - VICTORIA - INCREASE ADIPIC ACID CAPACITY, ETC.
PROJECT 2402 - SABINE RIVER - ADIPIC ACID COOLER
FLUID BED COOLERS - ASBESTOS GASKETING

We wish to formalize our telephone conversations with you about two weeks ago concerning fluid bed coolers being installed at Victoria and Sabine in existing and expanded adipic acid plants. Concern has been expressed in that asbestos gaskets have been used and a portion of adipic acid production is used in food products. You have advised that no toxicological problems should be encountered.

Attached is a print of one of the coolers. All are similar and of the same size. Volume of each unit is about 2,950 cubic feet. Exposed gasket area in each unit is estimated to be about 525 sq. inches. Processing rate will vary between 35,000 and 50,000 pounds per hour of adipic acid crystals. Undoubtedly there will be some eroding of the exposed gasket edges. Assuming an erosion rate as high as 1 mil per hour, the asbestos content of the product acid would be about 2 ppm. We believe the erosion rate assumed is much higher than that which will be experienced.

For record purposes, we shall appreciate a letter advising your opinion that no toxicological problems exist.

DESIGN DIVISION
Polymer Intermediates Section

J. W. Adams

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G. W. Adams
Sr. Process Engineer

Attach.
JWA:bls