

MCA

MANUFACTURING CHEMISTS ASSOCIATION

1825 CONNECTICUT AVENUE, N.W. WASHINGTON, D.C. 20009 (202) 483-6126

ALBERT C. CLARK
VICE PRESIDENT
TECHNICAL DIRECTOR

RECEIVED

JUN 3 1976

DR. A. S. CUMMIN

May 20, 1976

CC: HAP
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VCM-16

Mr. H. L. Schmidt, Jr.
Borden Chemical
Division of Borden, Inc.
180 East Broad Street
Columbus, Ohio 43215

Subject: Proposed Additional Vinyl Chloride Studies

Dear Mr. Schmidt:

The funded portion of Vinyl Chloride projects being administered by MCA are completed or nearing completion. Final reports have been received on the Dow metabolism investigation and teratology study. Also the experimental portion of IBT's chronic inhalation and the tabulating of data in the Equitable Environmental Health (formerly Tabershaw-Cooper Associates) epidemiology study have been completed and final reports are expected soon. The results were recently presented orally to the Vinyl Chloride Technical Panel. It is felt, however, that further metabolic work should be undertaken to finish this investigation.

At their meeting on April 28, the Panel recommended two projects for management approval: (1) additional Dow studies to complete the investigation of vinyl chloride metabolism, and (2) a proposal by Dr. Tamburro at the University of Louisville to search for useful diagnostic tools.

The additional metabolic studies are designed to investigate the in vivo binding of vinyl chloride to macromolecules, including those with sulfhydryl groups. This is postulated as the possible mechanism for detoxification of vinyl chloride. Parallel studies investigating in vitro metabolism and binding properties are also planned. A cost of \$115,000 is expected for this work, which will require about one year. It is anticipated that no further funding will be needed in this area when above is completed.

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Dr. Tamburro's team is examining workers exposed to vinyl chloride. The bulk of the funding for this project is from The National Cancer Institute and covers only accepted methods for diagnosis and treatment. Dr. Tamburro has requested MCA's support at the rate of about \$200,000 per year for the development of new diagnostic tools. The Panel recommends favorable action immediately for the first year and in the future will probably suggest continued support for two more years.

The Panel also considered the advisability of proposing an epidemiology study dealing with birth defects. Work by Dr. Infante and others of National Institute for Occupational Safety and Health appears to implicate vinyl chloride but has a very weak data base. However, action was deferred pending the outcome of studies underway by The Center for Disease Control.

It is expected that the remaining contingency funds will be adequate to cover administrative costs and contingencies for the new projects.

Please complete the enclosed form and return one copy to me by June 11 indicating whether you favor supporting the additional proposals or plan to withdraw from the project when the current studies have been completed.

Sincerely,



Enclosure/2

BOR 010414

MANUFACTURING CHEMISTS ASSOCIATION

VINYL CHLORIDE SPECIAL PROJECT

Referring to A. C. Clark's letter of May 20, 1976 on proposed additional studies, I

<u>FAVOR</u>	<u>OPPOSE</u>	<u>PROJECT</u>	<u>ESTIMATE</u>
☒	☐	Continuation of Dow metabolism studies	\$115,000
☐	☒	University of Louisville-development of diagnostic tools, first year (with similar requests for each of the next two years likely)	\$200,000

My Company



DOES

plan to terminate



DOES NOT

support for the Vinyl Chloride Special Project when the current studies are completed.

Name (Signed) _____

Name (Typed) H. L. Schmidt, Jr.

Company Borden Chemical, Div. of Borden Inc.

Date June 2, 1976

PLEASE RETURN ONE COPY NO LATER THAN
JUNE 11, 1976 TO:
Mr. A. C. Clark
Manufacturing Chemists Association
1825 Connecticut Avenue, N. W.
Washington, D. C. 20009

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