



MANUFACTURING CHEMISTS ASSOCIATION

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

May 15, 1973

To: VINYL CHLORIDE RESEARCH COORDINATORS

Subject: Meeting Before the May 21 Session of the
Technical Task Group on Vinyl Chloride
Research

Gentlemen:

Your Chairman, Dr. T. R. Torkelson, has asked that those members of the Research Coordinators planning to arrive in Washington on Sunday evening assemble in his room at the Connecticut Holiday Inn (1900 Connecticut Avenue, N. W.) at 8:00 PM, Sunday evening, May 20, to review the material Dow has assembled for consideration by the Task Group on Monday.

Please let me know by telephone if you will be able to attend.

Sincerely,

Kenneth D. Johnson, Ph.D.
Assistant Technical Director
Occupational Health

KDJ:mb

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MEDICAL
DEPARTMENT

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MEDICAL
DEPARTMENT

To: TECHNICAL TASK GROUP ON VINYL CHLORIDE RESEARCH

Subject: Schedule and Agenda for Meeting on Monday,
May 21, 1973

Gentlemen:

The management representatives of the sponsors of the Vinyl Chloride Monomer Research Program have decided that it is best to discuss the vinyl chloride monomer problem with NIOSH, on the basis of publicly available data, without delaying until the release of presently restricted data. They have asked the Technical Task Group to prepare their recommendations for the technical content and format of such a presentation.

Enclosed herewith is the outline that has been prepared by Dow. No prejudgment is offered in their proposal, but it will serve as a convenient basis for discussion at the meeting called for this purpose. The Technical Task Group will meet at 10:00 AM, Monday, May 21 in MCA's Conference Room (Room 404). If you or your alternate are unable to attend, we would appreciate your telephone report on your views before the time of the meeting.

You are probably aware of the action of the Food and Drug Administration (as announced in the May 9 issue of the New York Times) suspending the approval of PVC bottles for packaging whisky. As of today (May 15), official notice of such action has not yet appeared in the Federal Register, so we have no firm information on the basis upon which this action has been taken. It is hoped that their data can be studied and evaluated before the meeting of our task group.

Sincerely,

Kenneth D. Johnson, Ph.D.
Assistant Technical Director
Occupational Health

KDJ:mb
Attachment
cc : Mr. A. C. Clark

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OUTLINE OF PROPOSED PRESENTATION TO GOVERNMENT

I. Presentation

A. Government - Dr. M. Key, Director of NIOSH and others he may suggest as a result of a preliminary contact to set up meeting.

B. MCA - K. Johnson and/or G. Best of MCA.

C. Industry:

	<u>Technical</u>	<u>Business</u>
Dow	V. K. Rowe	G. J. Williams
Goodrich		A. Vittone or T. Nantz
Shell	H. Kusnetz	
UCC	D. C. Dernehl	

II. What should be presented -

A. U. S. companies represented by presentation.

B. History of Toxicity Studies

- 1) Review of past toxicity studies (lit.)
- 2) Past epidemiological studies -
Acroosteolysis
- 3) Work reported by Viola
- 4) History of TLV's

C. Toxic Work in Progress

- 1) MCA toxicity studies
- 2) MCA epidemiological studies
- 3) Meaningfulness of work in progress.
(What questions will be answered or go unanswered.)
- 4) Dow work in progress.

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D. Assessment of the whole problem -

Review of vinyl chloride and PVC industry and how it relates to toxicity problem.

- 1) Production (U.S. and world)
 - a) Volume - past, present, future
 - b) Producers
 - c) Workers exposed - number
 - d) Exposure levels
- 2) Uses
 - a) PVC
 - i) Producers
 - ii) Uses and volume of each
 - iii) Number of workers
 - iv) Exposure levels
 - b) Copolymers
 - i) Uses and volume of each
 - ii) Number of workers
 - iii) Exposure level
 - c) Aerosol
 - i) Volume and use
 - ii) Exposure level in use
 - iii) Estimated number of people
 - d) Other
 - i) Intermediates

E. Recommendations for Action

- 1) Control
 - a) Discontinue use in aerosols
 - b) Lower TWA to 50 ppm
(Reassess after work in progress is completed.)

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2) Future Research

a) Toxicity studies (additional)

i) Establish dose response for carcinogenic action. This will require large numbers of test animals in order to be statistically valid.

ii) Determine mechanism of action

Investigate effect of high concentration of VCl on (-SH).

If (-SH) is reduced, then establish dose-response; then attempt to counteract by supplementation with (-SH).

(If action is as hypothesized, then strength of a no-effect concept is markedly enhanced.)

3) Establish working contact at NIOSH

Solicit NIOSH participation in whatever toxicology program is adopted. (Consultation, advice, support in whatever context seems more appropriate.)