

CHEMICAL MANUFACTURERS ASSOCIATION
Vinyl Chloride Health Committee
Record of Meeting

DATE: April 23, 1997
TIME: 10:00 a.m. EDT

List of Participants:

James Barter	PPG Industries, Inc.
Ed Beeler	GEON Company
Mark Gruenwald	Borden, Inc.
Jim Knaak*	Occidental Chemicals
David Penney	CONDEA Vista Company
Jonathan Ramlow*	Dow Chemical Co.
Jay Strange	Georgia Gulf Corp.

Cynthia Barrett*	CMA
Has Shah	CMA
Wendy Sherman	CMA

Ken Mundt* Applied Epidemiology, Inc.

* Denotes part-time attendance.

1.0 Approval of February 18th Record of Conference Call and Changes to the Agenda

The Panel approved the February 18, 1997 Record of Conference Call with one change. The change clarified that J. Knaak and Dr. J. Swenberg will soon be finalizing the protocol for the in-life portion of the molecular carcinogenesis satellite study. The protocol for the second half of the study is still under development.

2.0 Update on the Applied Epidemiology, Inc. (AEI) Vinyl Chloride Cohort Study

K. Mundt briefed the Panel on the status of the AEI cohort study. He is working to close a number of data gaps prior to the end of May when the dataset will be closed for analysis. Additional information that comes in after May 31st will be added to the database, however, it will not be included in this study. To prevent confusion over which data were used in the analysis, K. Mundt will append a copy of the dataset to the study so it will be available for reviews and audits. Analysis of the data is expected to take three to four months. K. Mundt reported that the study is close to its original time line and within budget.

3.0 Update on the University of Louisville Brain Cancer Study

K. Mundt also provided an update on the April 18, 1997 meeting with H. Shah, J. Ramlow, C. Tamburro, Tamburro's staff and consultant, R. Buncher. The group discussed concerns with limiting analysis to the Greenberg/Tamburro methodology and the benefits of using multiple analytical techniques to build credibility in the study. C. Tamburro agreed to perform a nested case control as well as a standard cohort

analysis using a Cox regression, logistics regression and SMR analysis. C. Tamburro will provide a revised protocol to CMA by mid-May. When the revised protocol is finalized, W. Sherman will send a copy to H. Checkoway and G. Marsh.

4.0 Update on Huntingdon Life Sciences Vinyl Chloride Developmental, Reproductive, and Molecular Research Studies

J. Knaak briefed Panel members on the April 10th trip to Huntingdon with D. Penney and W. Sherman. During a tour of the facility, the group observed necropsies of dams and fetuses from the developmental study and the weighing of pups and the exposure of dams from the reproductive study. Results of the GC and infra red analysis were discussed along with a review of protocol amendments.

A copy of the final protocol for the in-life phase of the University of North Carolina molecular carcinogenesis satellite studies at Huntingdon was distributed. The in-life phase of the satellite study is on schedule although no final protocol for the second half of the study had been received from J. Swenberg. J. Knaak will call J. Swenberg to inquire on the status of the second portion of the satellite protocol and to ask for a funding estimate for 1998. The Panel approved \$50,000 to cover the cost of the in-life portion of the satellite study at Huntingdon. The Panel also approved a \$50,000 gift for J. Swenberg to conduct the second half of his satellite study at the University of North Carolina. W. Sherman will develop a gift letter for J. Swenberg.

W. Sherman distributed copies of a letter to ATSDR informing the Agency of the status of the Huntingdon studies. Progress reports for the developmental and reproductive studies along with a revised study plan were appended to the letter. Starting in April 1997, progress reports will be sent to ATSDR every six months until the final reports are issued.

5.0 Update on the International Life Sciences Institute Genotoxicity Project

W. Sherman briefed the group on the status of the ILSI's project, Use of Non-Tumor Data in Cancer Risk Assessment. A recent progress report from ILSI was distributed to the group. Of the four compounds selected for study (aflatoxin, benzene, butadiene, and vinyl chloride), the case study on aflatoxin was dropped due to insufficient funding. Draft case study reports are expected by the summer of 1997 and will be distributed to Case Study Work Group members for comment. After that review, the studies will be revised and a meeting of all Work Group members and stakeholders, including VCHC members, will be scheduled for the fall of 1997. W. Sherman will contact ILSI and inquire why the use of the PBPK model was not mentioned in the progress report on vinyl chloride.

6.0 Update on EPA IRIS's Pilot Project

In the update on EPA's IRIS Pilot Project, W. Sherman reported on her conversation with A. Mills, the new project manager at EPA. The Pilot is expected to finish this summer, with recommendations for revising the program due this fall. Differences between the regular IRIS program and Pilot project begins with a Federal Register Notice announcing the development of a new or revision of an existing IRIS file, and the addition of a series of peer review panels to evaluate data submitted for inclusion in the

database. According to A. Mills, vinyl chloride is to be submitted for peer review the week of May 12th. W. Sherman will call EPA to get more information on the goals of the peer review process, the criteria for selecting external peer reviewers, opportunities for stakeholder involvement in the Pilot project, and how this project might impact the HEAST tables.

7.0 Update on ATSDR Activities

W. Sherman distributed a draft letter to ATSDR developed by C. Norman to address inaccuracies contained in the draft Vinyl Chloride Toxicology Profile. Members will review the letter and send any additional changes to W. Sherman by May 2nd. W. Sherman will send a copy of the letter to D. Pun and J. Gamble for their comments. W. Sherman will ask ATSDR when the next version of the Toxicological Profile will be released.

Following up on the status of ATSDR's Medical Management Practices Guideline for vinyl chloride, W. Sherman reported that the contractor was not aware of a completion date for the guidelines. W. Sherman will identify and contact the CMA Task Group that was involved in the development of similar Medical Management Guidelines, and determine the status of their activity on this issue.

J. Knaak circulated handouts from an ATSDR-sponsored meeting on the development of Minimum Risk Levels (MRLs).

8.0 Update on the Association of Plastics Manufacturers in Europe (APME) Registry of Angiosarcoma Cases

J. Ramlow agreed to draft comments on the APME registry. D. Lewis, a physician at GEON, will participate in the comment development.

9.0 Selection of a New Committee Chairperson

The Panel nominated J. Knaak to be the next Chairperson of the Vinyl Chloride Health Committee. This motion was made after J. Knaak left the meeting. W. Sherman will call J. Knaak and inquire as to his willingness to serve as Panel Chair.

10.0 Schedule Next Meeting or Conference Call

W. Sherman will circulate a calendar to members to select a date for the next conference call.

Wendy K. Sherman

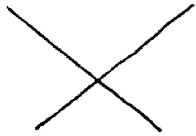
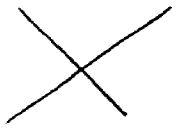
Wendy K. Sherman
Manager
Vinyl Chloride Health Committee

Subject to Approval

5/21/97

JUNE 1997
Vinyl Chloride Health Comm.

Please Fax to Cynthia Barrett at 703/741-6091

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9	10	11	12	13
16	17	 18	19	20
23	24	 25	26	27
30				

Please Indicate the dates that you are NOT available
a Conference Call.

CHEMICAL MANUFACTURERS ASSOCIATION
Vinyl Chloride Health Committee
Commitment Form



My company, Dow Chemical, commits \$234,321 to the Vinyl Chloride Health Committee 1996-1997 research program as outlined in the attached November 14, 1995 correspondence. Please invoice me for the 1996-1997 budget as indicated below. The Panel is conducted under the policies and procedures outlined in the CHEMSTAR Panel Guidelines, briefly noted on the reverse of this form.

Please send an invoice for \$ 149,881 ☐ in December 1995 ☐ in January 1996.

* Please send an invoice for \$ 84,440 ☐ in December 1996 ☐ in January 1997.
(See Attached for *)



While appreciating the opportunity, my company declines to participate.

CMA has estimated that 7% of the June 1, 1995 - May 31, 1996 fiscal year "dues and similar income" is allocable to lobbying and political expenditures to which Section 162 (e)(1) of the Internal Revenue Code of 1986, as amended, applies. Consequently, this portion of your commitment is not deductible as an ordinary and necessary business expense for federal income tax purposes. Further, contributions to CMA are not tax deductible as charitable contributions.

Panel Representative

Management Contact (Optional) /

Name (Signed)

Name (Signed)

Name (Typed)

Name (Typed)

Title

Chief Product Steward
Title

Company

Dow Chemical Company
Company

Address

2020 Dow Center, Midland, MI 48674
Address

Telephone

(517) 636-6978
Telephone

Fax

(517) 636-9899
Fax

Please return signed form to:

Has Shah
Manager, Biocides Panel
2501 M Street, NW
Washington, DC 20037

REDACTED

CONFIDENTIAL

R&S 154548

*For 1995, please send an invoice for \$75,000 in January 1996 and a second invoice for the balance of \$74,881 payable in July 1996 with the understanding that the second payment may be reduced if a significant activity planned for 1996 is cancelled or delayed.

For 1996, please send an invoice for \$44,000 in January 1997 and a second invoice for the balance of \$40,440 payable in July 1996 with the understanding that these numbers could be revised depending upon progress made on research activities in 1995.

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The Dow Chemical Company

Midland, Michigan 48674

DEBIT MEMO: 42502516

PAGE 01 OF 01

CUSTOMER ORDER NUMBER VINYL CHLORIDE PANEL

DATE 95/12/19

IF YOU HAVE ANY QUESTIONS
REGARDING THIS INVOICE, PLEASE
CALL AND ASK FOR

PAYMENT TERMS

30 DAYS DATE OF INVOICE

INVOICE TO

CHEMICAL MANUFACTURERS
ASSOCIATION INC
2501 M STREET NW
WASHINGTON, DC 20037

SHIP TO

CHEMICAL MANUFACTURERS
ASSOCIATION INC
2501 M STREET NW
WASHINGTON, DC 20037

DESCRIPTION

EXTENDED AMOUNT

INVOICE FOR TECHNICAL SUPPORT FOR THE
VINYL CHLORIDE COHORT STUDY

\$ 34,452.00

PROGRAM MANAGER: HAS SHAH
VINYL CHLORIDE PANEL

DOW CONTACT: SUSAN HEARN

*Asked Dow, Susan Hearn,
to void the invoice.
H. Shah*

NET DUE TO BE RECEIVED BY

96/01/18

PLEASE NOTE

DEBIT TOTAL:

USD \$ 34,452.00

PLEASE DIRECT REMITTANCE TO
THE DOW CHEMICAL COMPANY

P.O. BOX 75752
CHARLOTTE, NC 28275-5752

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R&S 154550

*For 1995, please send an invoice for \$75,000 in January 1996 and a second invoice for the balance of \$74,881 payable in July 1996 with the understanding that the second payment may be reduced if a significant activity planned for 1996 is cancelled or delayed.

For 1996, please send an invoice for \$44,000 in January 1997 and a ~~second~~ ^{5/6/97} invoice for the balance of \$40,440 payable in July 1996 with the understanding that these numbers could be revised depending upon progress made on research activities in 1995.

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\$ 74,881	Committed amount
- 34,452	off-set for Jonathan's
	Consultant Services
\$ 40,429	Invoice Amount

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The Dow Chemical Company

Midland, Michigan 48676

DEBIT MEMO: 42502516

PAGE 01 OF 01

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DATE 95/12/19

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USD \$ 34,452.00

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THE DOW CHEMICAL COMPANY

P.O. BOX 75752
CHARLOTTE, NC 28275-5752

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R&S 154552



CHEMICAL MANUFACTURERS ASSOCIATION, INC.

1300 WILSON BOULEVARD ARLINGTON, VA 22209

(703) 741-5000

Invoice

G 65422

THE DOW CHEMICAL COMPANY
Attn: Jonathan M. Ramlow
1803 Building
Midland, MI 48674

02/07/96

D-U-N-S Identification Number 04-603-9152	TERMS - Payable Upon Receipt In U.S. Dollars	Federal Identification Number 53-0104410
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For your company's participation in the Vinyl Chloride Health
Committee Research Program, VC, Ph. 10.

\$75,000.00

*Okay to pay
Connie Delford 3/11/96*

As required by statute, CMA has estimated that 7% of the 1995/96 Fiscal Year dues is allocable to lobbying and political expenditures to which Section 162(e) (1) of the Internal Revenue Code of 1986, as amended, applies. Consequently, this portion of the above amount is not deductible as an ordinary and necessary business expense for federal income tax purposes.

3110-0-887-10-0005

We are now required by law to tell you that contributions, gifts or membership dues paid to CMA are not deductible as "charitable contributions" for Federal income tax purposes. This law does not affect the deductibility of these payments as a "business expense." ; however 162(e) (1) noted above does affect deductibility.

CHEMICAL MANUFACTURERS ASSOCIATION, INC.

R&S 154553

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