

MANUFACTURING CHEMISTS ASSOCIATION

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

502.

MINUTES OF MEETING SAFETY AND FIRE PROTECTION COMMITTEE

Houston Oaks Hotel - Houston, Texas

May 1, 1974

PRESENT

John Jorgensen, Chairman
J. J. Walker, Vice Chairman
G. E. Cain
A. H. Christian
J. E. Gillan
G. L. Gorbell
R. B. Howard
T. T. Hubbard
H. J. Kolodner
R. Y. Le Vine
J. M. Pardee
Sanford Schreiber
J. S. Snyder
R. E. Sourwine
N. K. Walters
F. G. Stephenson, Secretary

Rohm and Haas Company
Union Carbide Corporation
Hercules Incorporated
FMC Corporation
ICI America Inc.
Monsanto Company
Shell Chemical Company
Chevron Chemical Company
Celanese Corporation
Olin Corporation
Eastman Kodak Company
Allied Chemical Corporation
Merck & Co., Inc.
PPG Industries, Inc.
E. I. du Pont de Nemours & Company
Manufacturing Chemists Association

GUESTS

C. T. Y. Cowie
A. P. Cox
E. V. Flowers
L. J. Ockelton
G. Parry
D. E. Pickbourne

M. A. Grotke
M. J. Pistek
Herman Waltemate

Imperial Chemical Industries Ltd.
Shell Chemicals Ltd.
Bush Boake Allen Ltd.
British Titan Products Company Ltd.
BP Chemicals International Ltd.
Glaxo Holdings Ltd.

Owens-Corning Fiberglas Corporation
ICI America Inc.
B. F. Goodrich Chemical Company

MEMBERS ABSENT

D. L. Dowell
W. C. Kohfeldt
S. M. MacCutcheon

Borg-Warner Chemicals
Exxon Chemical Company
The Dow Chemical Company

CMA 040142

1. Chairman John Jorgensen welcomed the six representatives of the Works Safety Committee of the Chemical Industries Association. This is the second visit by CIA representatives, the first being in 1970. S&FPC representatives visited the U. K. in 1972. The close working relationship now established between safety personnel of the two Associations has proved mutually beneficial. It is hoped this interchange can be continued in future years. Mr. C. T. Y. Cowie, Chairman of the Works Safety Committee, expressed similar opinions.

2. Minutes of the February 26, 1974 meeting were approved as distributed.

3. Task Group on OSHA Safety Statistics

Mr. Gillan discussed the draft of "Guidelines for OSHA Record Keeping - Determination of Recordability" as distributed to committee members. It was agreed to eliminate the section on fractures and to insert a statement that "X-ray examination for fractures is considered a diagnostic procedure."

In defining "restriction of work" it was agreed that a break in a work period for a visit to a dispensary to observe the possible effect of a chemical exposure should not be counted if the examination proves negative.

With these amendments the text of the report was adopted by voice vote. It was also agreed that committee member companies should voluntarily participate in reporting OSHA injury statistics based on the definitions which had been agreed upon.

Copies of the 'Guidelines' will be distributed to committee members together with a sample report form.

Participating companies will distribute the guidelines within their companies with instructions that OSHA logs be maintained in accordance with the guidelines as of July 1, 1974.

The first quarterly report covering the period July 1 - September 30 should be forwarded to MCA by October 30. Subsequent quarterly reports should be prepared and forwarded to MCA until further notice.

MCA will compile an inter-company comparison of the submitted data and will distribute the summary on a confidential basis to all companies which provide data.

4. Safety Publications

(a) An updated "Index of Accident Case Histories" is now available, price \$1.00 per copy.

A fourth volume of "Accident Case Histories" will be published early in 1975.

(b) Chemical Safety Data Sheets(1) Published since last meeting

SD-6 Paraformaldehyde (Revised 1974)
 SD-9 Caustic Soda (Revised 1974)
 SD-89 Chloroform (Revised 1974)

(2) Printing stage

SD-65 Mixed Acid
 SD-69 Benzyl Chloride
 SD-63 Toluene
 SD-28 Phosphoric Anhydride
 SD-91 Butyllithium

(3) Draft distributed

SD-54 o-Dichlorobenzene

(4) Final draft in preparation

SD-2 Benzene

(5) Drafts in preparation

SD-16 Phosphorus Elemental (Monsanto)
 SD-42 Sodium Chlorate (Olin)
 SD-45 Ammonium Dichromate (Allied)
 SD-44 Chromic Acid (Allied)
 SD-48 Cresol (Allied)
 SD-50 Ethyl Chloride (Shell)
 SD-57 Methylamines (Dupont)
 SD-46 Sodium and Potassium Dichromates (Allied)
 SD-52 Sulfur Dioxide (Olin)
 SD-34 Tetrachloroethane (Dupont)
 SD-43 Acetaldehyde (Eastman Kodak)
 SD-47 Sodium, Metallic (Dupont)

(6) Vinyl Chloride

Revision of this data sheet has been postponed pending outcome of activities of MCA task group and OSHA. Members were advised the Organization Resources Counselors Inc. (ORC) is sponsoring a study of PVC workers. Death certificates are being reviewed by insurance companies to determine if the low VCM exposure of fabricators has a deleterious effect.

(c) Guide for Safety in the Chemical Laboratory

Sales for the period October 1972 - March 31, 1974 total 5,489 copies.

(d) Publication "Safety in the Chemical Industry"

The possible publication of the draft prepared by Mr. R. Blewitt of MCA P. R. Staff was discussed. It was agreed that because this is not a technical publication it should not be published as an MCA Safety Guide.

It was agreed that members of the S&FPC might discuss the matter with their company representative on the P. R. Committee in an effort to convince them that a document of this nature could have good P. R. value and should be published by the P. R. Committee.

5. Report on Safety Activities in the U. K.

Mr. C. T. Y. Cowie stated that the U. K. government is developing a new Safety Act. It is anticipated that the Act will recognize apathy and the existence of too many mandatory regulations as part of the existing problem. Inspectorates should not alone be enforcement bodies checking conformity with mandatory regulations but should additionally play an advisory role. The Act should require self regulation since those who create the hazards should be best qualified to abate them.

A transportation emergency service known as Chem-Safe has been established in the U. K. The countries have been divided into geographic regions, each having an emergency center prepared to dispatch essential services in time of transportation emergency involving chemicals. The emergency phone number is marked on all vehicles and packages. Details on Chem-Safe are available from the Chemical Industries Association, Alembic House, 93 Albert Embankment, London SE1 7TU.

6. Liaison with External Associations

I. National Fire Protection Association

(a) Appointment of MCA representatives

The following appointments have been made:

- Sectional Committee on Miscellaneous Dusts -
Mr. John A. Beverley, Tennessee Eastman Company
- Sectional Committee on General Storage -
Dr. Gordon Hartzell, The Dow Chemical Company
- Fire Prevention Code Committee -
Mr. Sanford Schreiber, Allied Chemical Corporation

Mr. Schreiber reported on the meeting of the Fire Prevention Code Committee in San Francisco. Following discussion it was agreed that Mr. Schreiber and Dr. R. Y. Le Vine will attempt to get increased representation of industrial interests on the committee which is presently dominated by fire marshall representatives.

II. American National Standards Institute

(a) Appointment of MCA representatives

The following appointments have been made:

- Safety Requirements for Working in Tanks and Other Confined Spaces -
Walt Woodson, Eli Lilly and Company
- Safety Technical Advisory Board -
Representative: J. J. Walker, Union Carbide Corporation
Alternate : Dr. H. J. Kolodner, Celanese Corporation

The following reports were made:

— Standards currently under the jurisdiction of the Safety Advisory Board and also any fire safety standards will be reviewed for conformity with the scopes of the various projects. It is understood that conformity with a later standard than that quoted in section 1910 of OSHA regulations will be deemed a de minimus violation.

— The American Petroleum Institute is considering a revision of its standard on floating roofs for tanks.

— Mr. N. K. Walters reported that a committee has been formed under the chairmanship of Mr. Leo Teplow with the objective of establishing the American National Standards Institute as the primary source of consensus standards on safety. It is anticipated that representatives of ANSI, OSHA, industry and labor will participate.

The Committee will seek the support of MCA management in establishing ANSI in this leading role.

7. Dr. H. J. Kolodner drew attention to the definition of a flammable solid as given in section 173.150(d) of the Hazardous Materials Regulations. He also drew attention to a requirement in the Consumer Products Safety Act for a Commercial Hazards Committee to pass on the suitability of products. It was agreed that companies experiencing difficulties in these areas would exchange information.

8. Awards

(a) Lammot Du Pont Safety Award

The 1974 winners were as follows:

Companies working more than 2 million man-hours:

Winner: Chemetron Corporation
--Injury frequency rate reduction - 79%
Runner up: Continental Oil Company
--Injury frequency rate reduction - 53%

Companies working 2 million man-hours or less:

Winner: ARCO Chemical Company, Division of Atlantic Richfield Co.
-- Injury frequency rate reduction - 50%
Runner-up: J. T. Baker Chemical Company
--Injury frequency rate reduction - 53%

(b) Certificates of Achievement were awarded to 557 plants of 55 chemical companies for working the calendar year of 1973 without an industrial injury.

9. Committee Officers

It was agreed that the term of office will be from June 1 of the year of appointment to May 31 two years later.

Unanimously adopting a report by the Nominating Task Group, the following officers were appointed for the period June 1, 1974 to May 31, 1976:

Chairman: J. J. Walker, Union Carbide Corporation
Vice Chairman: J. M. Pardee, Eastman Kodak Company

A certificate of appreciation was awarded to Mr. John Jorgensen the retiring chairman.

The committee presented a plaque to Mr. George Gorbell who will retire in July 1974 after 26½ years of membership.

10. Safety and Health Workshop - Jack Tar Hotel, San Francisco, Calif. September 10, 1974

The subject for the morning session will be "Behavior Modification for Safety". Speakers will include Dr. Mac Roy Gasque of Olin Corporation, Mr. John Jorgensen of Rohm and Haas Company and possibly Mr. Alexander Cohen of NIOSH.

A panel of three additional members from both the S&FPC and OHC will assist in the question period which will follow.

Two concurrent sessions will be held in the afternoon.

(a) An OHC session on the use of instruments for monitoring the work place for toxic and flammable chemicals, noise, vibration, illumination, dust, ionization etc. - Dr. Leonard Krause, Olin Corporation.

(b) An S&FPC session on accident case histories of significance. Members of the S&FPC will discuss selected accident case histories, illustrated by slides, etc. Discussion of each case history will follow.

11. Conference on Risk Analysis - May 2, 1974

It was reported that the agenda would be as follows:

8:30 AM	Introduction - John Jorgensen, Moderator
8:35	Dow Hazard Analysis System - C. J. Adcock
9:05	Monsanto Approach to Risk Analysis - R. L. Miller
9:35	Dupont Practices - R. W. Prugh
10:04	Coffee Break

10:15 AM ICI Procedure - C. T. Y. Cowie
10:45 Hercules Method - R. Richards
11:15 Questions and Discussion
12:00 M Lunch
12:30 PM New Approaches to Risk Analysis - Dr. G. Powers, MIT
2:00 Discussion - John Jorgensen, Moderator
3:30 Adjourn

11. Next Meeting

The next meeting will be held at the Jack Tar Hotel, San Francisco, Calif. on September 11, 1974, the day following the Safety and Health Workshop.

Y. G. Stephenson

Minutes subject to approval
May 15, 1974
FGS:gr