

Manufacturing Chemists' Association, Inc.

(FOUNDED 1878)

1825 Connecticut Avenue, N. W.
WASHINGTON 9, D. C.

227.

MINUTES OF MEETING SAFETY AND FIRE PROTECTION COMMITTEE Hotel Hershey, Hershey, Pa. June 18-19, 1963

Present:

G. G. Fleming, Chairman	Celanese Corporation of America
A. L. Cobb, Vice Chairman	Eastman Kodak Company
R. H. Albisser	Merck & Co., Inc.
H. A. Bell	Mallinckrodt Chemical Works
L. W. Boulton	Polymer Corporation Limited
A. H. Christian	American Viscose Corporation
G. L. Gorbell	Monsanto Chemical Company
A. L. Kling	Olin Mathieson Chemical Corporation
F. E. Macaulay	Wyandotte Chemicals Corporation
S. M. MacCutcheon	The Dow Chemical Company
S. F. Spence	American Cyanamid Company
F. G. Stephenson, Secretary	Manufacturing Chemists' Association

Absent:

J. S. Queener (on jury duty)	E. I. du Pont de Nemours & Co., Inc.
N. G. White	Shell Chemical Company
J. A. Hawthorne	National Lead Company

1. Minutes of the March 6-7, 1963 meeting were approved as submitted.

Mr. Boulton was welcomed as a new Committee member.

2. Rules of Organization and Procedure

The secretary stated that the Committee had been requested to reconsider the balloting procedure for electing new members to the Committee, as detailed in sections 3.3 through 3.7 under Membership in the rules circulated as Appendix A with the minutes of the March 6-7 meeting.

After some discussion it was then unanimously resolved not to

limit membership to any specific number and to amend the rules approved at the March 6-7 meeting as follows:

(3) Membership

- 3.1 Delete "16"
- 3.3 through 3.7 - delete
- 3.8 transfer to section 5.- Meetings
- 3.9 and 3.10 - delete

The secretary was requested to submit the amended rules to the Board of Directors for ratification.

3. Membership

The following announced their resignation from the Committee:

Mr. Harold A. Bell
Dr. C. U. Dernehl

A certificate of appreciation, signed by all present, was presented to Mr. Bell in recognition of his services as a member of the Committee from 1952 - 1963.

Dr. C. U. Dernehl of UCC has been appointed a member of the Medical Advisory Committee but will continue his participation as a panelist at the Safety Workshops.

Appointments

Mr. Joseph Guelich of Allied Chemical Corporation was appointed a member of the Committee subject to approval by the Board of Directors.

Mr. W. E. Wood of Sun Oil Company and Mr. Parker Folse of Mobil Chemical Company were appointed members of the Committee subject to membership applications being submitted to the MCA Secretary by the executive contacts of their respective companies and to approval by the Board of Directors.

4. Fire Protection

The desirability of publishing a manual on fire protection in the chemical industry was debated. After considerable discussion, it was agreed to effect this through a series of "safety guides" which could ultimately be republished in book form.

The first of the safety guide fire protection series will consist of the material prepared by Mr. Cobb plus a fire protection engineering check list. Mr. Cobb agreed to proceed with this immediately.

Members agreed to be prepared at the next meeting to suggest topics for further safety guides on fire protection.

5. Marking of Vehicles Transporting Hazardous Chemicals

Members discussed material distributed by Mr. C. H. Mayhood including a report on the activities of the MCA joint-committee task group and the sample markings prepared by Mr. Cobb. There were expressions of interest in the project but it was felt that it is still in its infancy and that because of the ultimate need for uniformity, authoritative enforcement of new markings may be necessary.

6. Chemical Safety Data Sheets

Published since last meeting:

SD-17 Aniline (Revised)
SD-3 Carbon Tetrachloride (Revised)

New publications in preparation

Methyl Chloroform - S. M. MacCutcheon
Paranitroaniline - G. L. Gorbelle
Ethyl glycol monomethyl ether - UCC

Under consideration - Acetonitrile

Revisions

SD-20 Sulfuric Acid - To be combined with TC-1
(galley proof stage)
SD-3 Phenol - to be combined with TC-6
SD-12 Carbon Disulfide - no author
SD-13 Ammonia Aqua - A. L. Cobb
SD-18 Ethylene Dichloride - A. L. Kling
SD-21 Nitrobenzene - S. F. Spence
SD-22 Methanol - G. G. Fleming
SD-23 Calcium Carbide - S. F. Spence
SD-24 Perchloroethylene - S. F. Spence
SD-26 Phosphorus Oxychloride - G. L. Gorbelle
SD-27 Phosphorus Trichloride - G. L. Gorbelle
SD-28 Phosphoric Anhydride - J. S. Queener
SD-29 Ethyl Ether - H. A. Bell
SD-30 Sodium Cyanide - J. S. Queener
SD-31 Acrylonitrile - S. F. Spence

7. Safety Guides

It was resolved to proceed with publication of the following:

Fire Protection in the Chemical Industry - A. L. Cobb
 (including engineering check list)
 Training of Process Operators - H. A. Bell
 (proposed final draft to be distributed)
 Liquid Chemicals: Sampling of Tank Car and Tank Truck
 Shipments - G. G. Fleming
 Identification and Transfer of Materials - J. S. Queener
 Electrical Equipment in Hazardous Areas - A. L. Cobb
 (draft to be re-written)
 Electrical Grounding - F. E. Macaulay
 Instrumentation for Safety - G. L. Gorbell
 Controlling Chemical Process Reactions - G. L. Gorbell
 Safety Inspection in the Chemical Plant - A. H. Christian
 Safety Evaluation of New Processes - R. H. Albisser
 Procedure for Routine Maintenance of Chemical Equipment -
 R. H. Albisser

Removed from list

Use of Work Permits

8. Safety Workshop

Mr. A. H. Christian reported that organization of the September 24 Workshop in New Orleans is proceeding in cooperation with the Louisiana Chemical Association and the Chemical Industry Council of New Orleans.

It was agreed that individual letters be addressed to the safety director of each MCA company inviting him to attend.

The secretary was asked to circulate to Committee members copies of the document prepared by Mr. Christian on 'How to Organize a Safety Workshop'.

1964 Meeting of Greater New York Safety Congress

The Committee agreed to provide panelists for the chemical section meeting - Mr. A. H. Christian undertook to arrange details.

1965 MCA Safety Workshop

The Committee accepted Mr. S. F. Spence's suggestion that this be held in New Jersey.

9. Accident Case Histories

Mr. Bell reported that the number of accident case histories received which are suitable for publication is more than adequate to fill the 4-page monthly report.

Mr. Bell agreed to prepare a document on the investigating and reporting of chemical accidents, including fires and explosions, showing that a statement of cause is equally as important as a description of the occurrence. It was stressed during discussion, that personal injuries are not the criteria on which accidents or incidents should be judged. The document will be distributed to all safety directors. The secretary was also asked to distribute copies of the previously issued document on the preparation and writing of accident case histories.

The book "Case Histories of Accidents in the Chemical Industry" published by the Committee in 1962 has been well received. It was agreed to issue a second volume when a further 500 case histories are available.

10. Du Pont Awards

Winners of 1963 Du Pont awards were:

In the over 2 million manhour group

Olin Mathieson Chemical Corporation

In the 2 million or less manhour group

Detrex Chemical Industries, Inc.

Houdry Process and Chemical Company

Change in rules

It was resolved that only one award will be made in each category. In the event of a tie, the company showing the greatest number of manhours worked since the last disabling injury will be declared the winner.

Certificates of Achievement

Certificates of Achievement for plants and laboratories working the calendar year of 1962 without a disabling injury were awarded to 537 plants of 66 companies.

11. Reports of External Committees

Mr. Albisser said that a number of comments had been received in response to his letter to the Committee regarding possible revision of Z16.1. Some respondents think there should be a serious-injury-index, although this, in the first instance, should be included in the appendix to the publication so that it could be used on a voluntary basis. Mr. Albisser agreed to discuss this possibility at the forthcoming meeting.

12. Technical Committee on Rocket Propellant Safety

This committee is preparing emergency guides for truck-drivers and others concerned with rocket propellant chemicals in transportation. The guides will contain emergency procedural advice of a general nature plus single sheets dealing with the hazards, specific precautions and fire fighting information for each liquid propellant. The first draft will be circulated to members of the Safety and Fire Protection Committee in due course.

13. AFofL/CIO Comments on Walsh Healey Safety Regulations

A copy of a booklet containing comments prepared by the AFofL/CIO on the safety and health requirements under the Walsh Healey Act was shown to members. The secretary undertook to obtain copies for distribution to each member.

14. 35mm Slides Illustrating Safe Procedures in the Chemical Industry

On a motion proposed by Mr. Kling, it was unanimously agreed to prepare a series of 35 mm slides and accompanying scripts to illustrate various safe practices in the chemical industry.

The chairman appointed the following subcommittee to develop a list of subjects on which slides can be prepared and to propose an immediate and future program in this area:

Mr. A. L. Kling (Chairman)
Mr. A. L. Cobb
Mr. A. H. Christian

15. Volume "Guide for Safety in the Chemical Laboratory"

Mr. Christian reported that comments have been received from a number of members concerning the possible revision of this volume. He agreed to assemble the various comments so that a decision can be made if and how to proceed.

16. Agenda

The agenda for future meetings will include a report by the secretary on activities of other MCA committees in which the Safety and Fire Protection Committee may be interested.

17. Guide Sheet for Telephone Reporting of Fires and Explosions

Mr. Cobb agreed to prepare a guide sheet for use by member companies when reporting fires and explosions to the Association.

18. Next Meeting

The next meeting will be held on September 25, 1963, the day following the Chemical Industry Safety Workshop, in New Orleans.

Minutes subject to approval

FGS:cm
6/26/63