



National Electrical Manufacturers Association
155 East 44th Street • New York, N.Y. 10017 • 212-682-1500

MINUTES:

COMMITTEE ON USE AND DISPOSAL
OF ASKAREL; OF THE BOARD OF
DIRECTORS; OF THE POWER EQUIP-
MENT DIVISION

PLACE OF MEETING:

O'HARE INN, CHICAGO, ILL.

DATE AND TIME:

TUESDAY, FEBRUARY 23, 1971
10:30 A.M. - 3:45 P.M.

MEMBERS PRESENT:

D. E. Allen
J. F. Kuzela
E. L. Raab
W. C. Reinhardt
J. C. Rissinger
H. R. Rowe

Allis-Chalmers Manufacturing Co.
Sangamo Electric Company
General Electric Company
Moloney Electric Company
Westinghouse Electric Corp.
McGraw Edison Power Systems Div.

MEMBERS ABSENT:

NONE

OTHERS PRESENT:

P. G. Benignus
A. O. Hauser
W. B. Papageorge
A. L. Rickley
A. M. Salazar

Monsanto Company
Electric Utilities Company
Monsanto Company
Doble Engineering Co.
NEMA Staff

PRESIDING OFFICER:

W. C. Reinhardt, Chairman

I. APPROVAL OF PREVIOUS MINUTES

The minutes of the August 20, 1970 meeting not being available, as yet, no previous minutes were submitted for approval.

II. PURPOSE OF THIS MEETING

The Committee noted that the purpose of this meeting is to review developments since the August 20, 1970 meeting and develop recommendations to ANSI on a suggested program of action, including priorities for various activities, list of organizations to be invited to participate, etc. The Secretary's letter of February 10, 1971 calling this meeting and outlining the agenda, also contained a chronological list of steps taken, so far, and a master list of organizations that might have interest in this problem. A copy of the letter is attached as EXHIBIT "A".

Comm. on Dis. of
Askarel - Div. 8

- 4 -

February 23, 1971



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Messrs. P. G. Benignus and W. B. Papageorge of Monsanto and A. O. Hauser, whose company manufactures capacitors and A. L. Rickley, who is associated with a well known electrical insulation consulting firm, were invited to participate in the discussions.

III. REVIEW OF DEVELOPMENTS SINCE THE
AUGUST 20, 1970 MEETING

Members of the Committee presented reports on developments; as outlined in the Chairman's working agenda, as follows:

A. The PCB problem in brief, including the status of the Massachusetts House Bill No. 3635 - - - W. B. Papageorge

NOTE

A copy of the Bill is attached as EXHIBIT "B".

B. Report on developments within IEC, IEEE and ASTM, on the askarel problem - - - E. L. Raab

NOTES

Mr. Raab distributed copies of written reports, which are attached as follows:

1. Letter providing the Chairman of IEC WG/02 on askarels with information on US activity, (EXHIBIT "C").

2. Report on October, 1970 meetings of IEC No. 10 on Liquid and Gaseous Dielectrics and Subcommittee 10B on Insulating Liquids Other than Hydrocarbon Oils. Messrs. Raab and Benignus, who are the US Delegates, attended these meetings, (EXHIBIT "D").

3. Lecture given by Mr. P. Jay of the Prodelac Company, a foreign producer, at a university in Sweden, in 1970. This information was distributed at the October IEC meetings, by the Delegate from France, (EXHIBIT "E").

4. Appropriate excerpt from minutes of the April 15, 1970 meeting of the Insulating Fluids Subcommittee of the IEEE Transformers Committee, (EXHIBIT "F").

5. Excerpt on further discussion from the minutes of the October 28, 1970 meeting of the parent IEEE Transformers Committee, (EXHIBIT "G").

6. Appropriate excerpt from the minutes of the September 11, 1970 meeting of Subcommittee B, of ASTM Committee D27 on Insulating Fluids, (EXHIBIT "H").

C. Which PCB's remain in use in the electrical industry? - - - - P. G. Benignus.

D. Status of disposal facilities - - - - W. B. Papageorge.

Mr. Papageorge commented on the above, as follows:

1. Monsanto facilities for bulk fluids.
2. Monsanto facilities for moderately sized solid materials.
3. Rollins-Puzle, Inc. facilities for bulk fluids.
4. Kentrol Pollution Services, Inc. facilities for bulk fluids. (Still under investigation by Monsanto).
5. Landfills

The value of landfills depends on the type of soil conditions, distance from waters, etc. Preliminary investigations with Officials of some states indicate a negative reaction to state sanctions. States usually defer to local levels on these matters.

IV. FORMATION OF THE ANSI COMMITTEE

After some further discussion, the Committee approved the following:

A. The holding of an ANSI conference, as soon after receiving ANSI formal approval as is possible.

B. Mr. W. B. Papageorge should act as discussion leader for the Conference and should present the background leading to Monsanto's and NEMA's sponsorship of the formation of an ANSI Committee. As was the case at

Comm. on Dis. of
Askarel - Div. 8

- 6 -

February 23, 1971

NEV 024452

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today's meeting, others involved in the discussion, so far, should be called upon to assist, as is considered to be appropriate.

The following objectives, developed at today's meeting, should also be proposed:

OBJECTIVES

In addition to developing procedures and guides for safe use, maintenance and disposal of askarel and askarel soaked materials used in electrical equipment, it shall be the objectives of the ANSI Committee to:

1. Serve as a source for technical information and advice for Federal, State and local authorities and for the information of all others concerned.
2. Encourage the development of suitable disposal facilities and maintain a list of their capabilities and locations, for the information of all concerned.
3. Serve as the advisory group for US participation in CEE, IEC, COPANT, SEGRA and other international organizations.

As appropriate during the presentation, or during the following discussion, Mr. Papageorge should propose that the following Subcommittees should be considered to develop specific proposals for Committee action:

1. Procedures and guides for disposal of askarel and askarel soaked materials.
2. Procedures and guides for safe use, care and maintenance of askarel.
3. National and international communications.

At an appropriate time during the meeting, the Secretary should recommend that a small Steering Committee, comprised of the Chairman of the Committee and the Chairmen of the EEI, IEEE, ASTM and NEMA Delegations. The purpose of the Steering Committee is to appoint the above Subcommittees and, in general, assist the Chairman in the performance of his other responsibilities as Chairman of the ANSI Committee.

C. The letters inviting interested organizations to participate should briefly comment on the need for the ANSI Committee and indicate that a Conference is being called by a certain date, to review the matter in more detail and formally establish the Committee and any needed Subcommittees. An attachment to the letter should cover the sponsors, the scope approved by ANSI and a list of Organizations being invited to participate.

D. In addition to any other Organizations represented on the ANSI Electrical and Electronics Technical Advisory Board (EETAB) that may express interest in this activity, the following Organizations should be invited to attend the Conference:

American Public Power Association
American Society for Testing and Materials
Association of American Railroads
Association of Edison Illuminating Companies
Automobile Manufacturers Association Inc.
Certified Ballast Manufacturers Association
Doble Engineering Co.
Edison Electric Institute

Government Groups

Atomic Energy Commission
Corps of Engineers
Department of Health, Education
and Welfare - Food and Drug Administration
Department of Interior
Environmental Protection Agency
General Services Administration
National Bureau of Standards
Rural Electrification Administration
Tennessee Valley Authority

International Association for Pollution Control
Institute of Electrical and Electronic Engineers
Kontrol Pollution Services
Manufacturing Chemists Association
Monsanto Company
National Electrical Manufacturers Association
National Fire Protection Association
Rollins-Purle Inc.
Underwriters' Laboratories Inc.
Water Pollution Control Federation

V. TIME AND PLACE OF THE NEXT MEETING

Left to the call of the Chair.

VI. ADJOURNMENT

There being no further business before the Committee, the meeting was adjourned at 3:45 P.M. Luncheon was served during the meeting and there was, therefore, no recess for that purpose.

AMS:dk
ATTS: EXHIBITS "A" - "H"

A. M. Salazar,
Executive Secretary
Power Equipment Division

APPROVED BY COUNSEL:

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Comm. on Dis. of
Askarel - Div. 8

- 8 -

February 23, 1971

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