

MEETING NOTES

DISCUSSION OF USER NEEDS WITH ASTM C-16*

DENVER, COLORADO, JULY 13, 1972

ATTENDANCE:

F. A. Govan, Chairman (President, York Research Corporation)
H. P. Hoopes, Vice Chairman (Technical Director, Pabco Div. of Fiberboard)
J. F. Corey, Vice Chairman (Manager, Testing Laboratories, PPG Industries)
W. A. Woolford, Secretary (Director of Marketing, Ken R. White Company)
S. I. Matthews, Assistant Secretary (Technical Director, Insulation Group, Susquehanna Corporation)
J. Volk, Membership Secretary (Manager Production and Process Service, National Gypsum)
J. R. Allen, Past Chairman (Insulation Materials Specialist, duPont)
R. G. Jobe

The Executive Committee of ASTM Committee C-16 invited R. G. Jobe, Secretary, Shell Engineering Council, to present a discussion of user needs and problems relating to use of thermal insulation under the terms of Occupational Health regulations.

User Needs

The impact of Federal asbestos dust exposure regulations on process industry user engineering design, procurement, contract relations, and work practices were reviewed. The need for suitable nationally recognized standards for insulating materials specification, work practices, and hazardous dust monitoring procedures was presented per the attached outline. The urgent need for material standard specifications indicating insulation component contents (i.e., amount of asbestos and other pertinent materials) so that ASTM standards may be used in place of brand name identification was stressed. Special emphasis was also placed on the need for labeling standards and the development of related standardized handling procedures.

Group Reaction and Comment

1. The Committee seemed genuinely interested in our presentation and seemed to understand the problems and needs.
2. Committee members asked several questions regarding attitude and activity of industry associations and other standards organizations. They seemed surprised to learn that we had found no other organizations active on this problem.
3. Existing sources of information on asbestos dust hazards and work practices were discussed. The work on the Mt. Sinai group (Insulation Industry Hygiene Research Program) and standards developed in Great Britain were mentioned as examples of existing information. It was generally agreed that the C-16 Committee seek to identify and obtain information from these and other sources.

*Committee on Thermal and Cryogenic Insulating Materials

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4. The Chairman advised that OSHA and NIOSH representatives had been advised on at least one occasion that the asbestos dust level monitoring method was unsatisfactory and that NIOSH had been urged to put some research money into developing a better method. Apparently NIOSH did not agree to this suggestion.
 5. The Committee agreed to discuss the role of C-16 in regard to the needs presented and the Chairman will advise Jobe of their decision.
 6. We were invited to participate in the next meeting of the full committee, which will be held at Ottawa, Canada, on October 15-18, 1972.

R. G. Jobe
7/21/72

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OUTLINE OF
USER NEEDS FOR STANDARDS, TEST PROCEDURES, WORK PRACTICES
FOR THERMAL INSULATION FOR PLANT AND PROCESS EQUIPMENT
(For Presentation to ASTM C-16 Executive Committee, July 13, 1972)

1.) Standards Specifications for Identifying Materials

Users need material standards which will identify insulating material according to pertinent variables related to hazard potential.

- a.) What effect does asbestos content and/or configuration have on dust level?
- b.) What effect does other material have on asbestos levels?
- c.) What hazards do other components in insulation materials present?

2.) Recommended Practices and Engineering Controls

In meeting responsibilities for work practice administration users need:

- a.) Recognized safe work and handling practices keyed to nationally recognized material specifications.
- b.) Recommended engineering controls keyed to standard material specifications.

3.) Monitoring and Test Procedures

Simplified test procedures or equipment which provide information on hazard levels in the workplace are needed. Tests methods should meet certain requirements:

- a.) Tests by craft supervisor or safety engineer.
- b.) Test period to cover one shift if possible.
- c.) Results should be available by direct reading or by evaluation during working shift.

NOTES:

- 1.) Health hazards of other substances in addition to asbestos must be considered and provided for in long term planning.
- 2.) It is assumed that existing dust hazard regulations can and should be revised as workplace experience is accumulated and interpreted and that new test procedures, if valid, would be accepted by regulators.
- 3.) Standards, recommended practices, and test procedures should be developed in the context of being used for reference in communication between:
 - a.) vendor and purchaser (purchase orders)
 - b.) contractor and client (construction contracts)
 - c.) regulator and regulatee (federal, state, and local regulations)
 - d.) others (company standards and employee relations communications, etc.)

American Society for Testing and Materials

FACTS ABOUT COMMITTEE C-16 ON THERMAL AND CRYOGENIC INSULATING MATERIALS

This fact sheet gives you information about the committee, its scope, officers, and structure. If you would like to become active in the work of this committee, please fill out and mail the application blank on the reverse side to ASTM Headquarters, attention Mrs. Roberta Kilmartin.

SCOPE: The promotion of knowledge, stimulation of research, and the standardization of methods of test, specifications, recommended practices, definitions and nomenclature for thermal insulating including cryogenic, materials and systems (except those used in the insulating refractory field), and for any protective coating and for any covering materials associated therewith to preserve their thermal insulating performance.

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STAFF LIAISON: W. F. Kulse

SUBCOMMITTEES OF COMMITTEE C-16

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2. FULL NAME _____ POSITION _____
- ORGANIZATION _____
- STREET ADDRESS _____
- CITY, STATE, ZIP _____
- ☐ Check here if this is applicant's home address
3. Name of person in your organization you are replacing, if any _____
4. Requested Classification on Main Committee (with respect to committee scope):
☐ Producer ☐ Consumer ☐ General Interest
5. Voting Privilege Requested: ☐ Voting ☐ Non-Voting
6. Society Membership Status:
☐ Member ☐ Official Representative of Sustaining Member
☐ Membership Applied For ☐ None. Please Send Membership Application
7. If you are liaison representative from another Society or ASTM Committee, please designate: _____
8. Major product of, or service performed by, your organization _____
9. Technical Interests _____
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11. What laboratory facilities, if any, do you have available for cooperative committee activity? _____
12. Will applicant attend meetings regularly and/or respond to letter ballots? _____
- Applicant's Signature _____ Date _____
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