

INDUSTRIAL SAFETY EQUIPMENT ASSOCIATION
1901 North Moore Street
Arlington, Virginia 22209

PLAINTIFF'S EXHIBIT

SAG-59

Aluminum Committee Meeting
Safety Wearing Apparel Group
June 12, 1979
ISEA Office, Arlington, Virginia

M I N U T E S

A meeting of the Aluminum Committee of the Safety Wearing Apparel Group, Industrial Safety Equipment Association, was held on June 12, 1979, at the ISEA Office, Arlington, Virginia. The following were in attendance:

C. L. Grossman	A-Best Products Co.
J. H. Weaver	Fyrepel Products, Inc.
L. V. Ott	Gentex Corporation
R. M. Ladick	Mine Safety Appliances Company
H. S. Lewis	Rubin Brothers, Inc.
R. Sager	Sager Glove Corp.
L. A. Moradian	ISEA Counsel
F. E. Wilcher, Jr.	ISEA Executive Director

Chairman Sager presided and called the meeting to order at 9:00 a.m. On motion by Mr. Weaver, seconded by Mr. Lewis and carried, the minutes of the November 8, 1978, meeting of the committee were approved as previously distributed.

Mr. Sager indicated that the major purpose of today's meeting was to hear from the representatives of the Aluminum Association as to which fabrics they are interested in field testing. The Executive Director indicated that he had heard from Mr. Epstein that there appears to be greater interest now in testing secondary garments, rather than the primary protection.

The committee was alerted to a communication from Textured Products, Inc., Mount Vernon, New York, which indicated this firm has some fabrics that they are going to have tested for possible consideration under this program. A copy of this letter is attached.

Mr. Sager indicated that he has been invited to make a presentation to the Molten Metals Section at the National Safety Congress this October. He pointed out he has been invited as a representative of his company; however, he indicated he would like to have a display of protective clothing in the meeting room for examination by participants. Members of the committee felt this was an excellent idea for Association publicity, and Mr. Sager indicated he would send all members of the Safety Wearing Apparel Group a letter inviting them to submit samples.

At this point, the following representatives of the Aluminum Association joined the meeting:

James H. Bennett	Martin Marietta Corp.
Lawrence Logan	Howmet Corp.
Bobby J. Sasser	Reynolds Metals Company
Sey Epstein	Technical Director, Aluminum Association

Mr. Epstein opened the joint session by indicating the Aluminum Association has questions on the meaning of the numbers which were reported on the flammability tests. Mr. Sager responded by pointing out that one of the major steel companies puts a limit of 2 seconds on "after flame" on Method 5903.2 of Federal Test Method Standard - 191. He also indicated that the steel industry basically uses a limit of 4 seconds on afterglow. However, because of treatments used on fabrics for the aluminum industry, it would be impossible to put a limit on the afterglow time. He indicated that he felt a 2-second after flame time would be satisfactory for the aluminum industry. With respect to char lengths, he indicated that this is basically a direct effect of the weight of the fabric.

In reviewing the flammability test results, it was also noted that some of the fabrics that were splash tested as a two-part system did poorly in the flammability tests probably because of a trapping of gas between the layers of fabric.

Mr. Sasser indicated he was particularly interested in fabric #7 for secondary protection. A question, however, came up as to the weight of this fabric, and Mr. Sager indicated he would ask Mr. Jaynes to verify the reported weight of $19\frac{1}{2}$ ozs. It appeared that the fabric was much lighter than that.

Representatives of the Aluminum Association said they would like to have a list of primary and secondary fabrics suitable for service evaluation based on the splash tests and the flammability tests. They further said that they would like to see this document take the form of a rather simple, straightforward, non-technical report. With respect to service evaluation, Mr. Logan indicated that he would like to see representatives of the aluminum industry order sample garments from ISEA, rather than from individual member companies. Mr. Sasser stated that he did not feel there was need for service evaluation; however, Mr. Sager responded by indicating that this type of evaluation was needed to determine the serviceability, comfort, and washability of garments.

Mr. Ladick suggested the possibility of this committee's writing a minimum performance specification for both secondary and primary protection. It was felt, however, this would be a long-range project, and the committee decided it would be better to develop some type of an abbreviated report that could be available in the near future. At this point, it was decided that a number of fabrics should be subjected to a flammability retest. Mr. Ott agreed to do this, and he will retest fabrics #14, #16, #17, #18, and #29. In addition, #6 and #32 will be retested with full treatment.

Following this retesting, Mr. Sager will draft a letter for the Aluminum Association summarizing our recommendations based on the splash testing and flammability tests. Related to this communication, Mr. Sasser made reference to letters he has received from Cotton Incorporated reporting on some of their testing. Mr. Sager will contact Cotton Incorporated and will add this information to his letter.

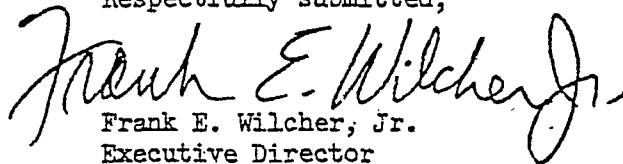
Mr. Sasser then indicated that he felt the service evaluation should be optional among the Aluminum Association members. It was agreed that some companies would be doing this, others would not. In the meantime, Mr. Sasser indicated there was interest in developing a joint report on this project.

Mr. Sasser also indicated the Aluminum Association is still interested in developing an audio-visual presentation which would dramatize the benefits of using protective clothing in the aluminum industry. He pointed out that they would like to see this done with slides and a soundtrack on tape. He further stated that he thought this could be accomplished for a total cost of \$5000-\$10,000, and would like to have ISEA participation. He indicated he would submit to the Executive Director a more definitive proposal.

The meeting concluded with Chairman Sager indicating that the ISEA Aluminum Committee would revise the sample book of fabrics based on the retesting of the flammability characteristics of some of the fabrics, and will come up with a list of suggested primary and secondary fabrics. Mr. Sager also noted that the service evaluation would be optional and could be done either through ISEA or with Aluminum Association companies ordering directly from manufacturers. Mr. Sager also indicated that the Aluminum Committee of ISEA would be happy to discuss the possibility of developing a joint report on this project, and will also further consider the request for financial support of the audio-visual presentation.

There being no further business to come before the meeting, a motion to adjourn was adopted.

Respectfully submitted,


Frank E. Wilcher, Jr.
Executive Director

FEW:af

Attachment