Research

MEMORANDUM

By R. J. Lee
Basic Research-Physics

Date April 10, 1979

PLAINTIFF'S EXHIBIT
USX-1098

Subject TRIP REPORT: OSHA TRAINING INSTITUTE, DES PLAINES, ILLINOIS, APRIL 9, 1979

Purpose: One-day symposium on "Asbestos Identification and Measurement."

Discussion:

The purpose of the meeting was to review methods of counting and identification of asbestos, and formulate proposals for improving and standardizing techniques. The program consisted of a very superficial treatment of asbestos identification techniques by several "experts." Generally, they patted themselves on the back and failed to address any serious questions. The second portion of the program was a panel discussion of participant questions. A copy of the agenda of the meeting is attached.

The topic of OSHA's definition of a fiber was extensively debated. I raised the issue of the 3:1 aspect ratio and suggested that a minimum aspect ratio of 10:1 or 20:1 would have more physical significance and simplify the identification problem. The OSHA and EMSHA representatives agreed but suggested they could do nothing.

Two areas of discussion with potential adverse effects on USS were the levels of emissions from blasting, and a suggestion that OSHA require electron microscopic analysis in routine monitoring.

I felt that there was some progress toward an improved definition of asbestos fibers. Other than that, little else was accomplished. In spite of this, it seems important that we continue to express our concerns, and point out areas where techniques can be improved whenever possible.

/d

RJ Lee

cc: R. M. Fisher
J. H. Gross
W. T. Lankford, Jr.

PRELIMINARY AGENDA

Identify and Measure Airborne Asbestos - April 9, 1979
OSHA Training Institute
1555 Times Drive
Des Plaines, Illinois

9:00 - Welcome to OSHA Training Institute	Mr. L. Saltsgaver
Opening Remarks and Introduction of Program Chairman	Mr. David M. Trayer T.V.A. Chairman, ACGIH
Objectives of Symposium	Mr. James S. Ferguson N.I.O.S.H. Program Chairman
Dispersion Staining	Dr. Walter C. McCrone McCrane Research Inst.
BREAK	
Use of Scanning Electron Microscopy with EDXA	Dr. Voelker A. Mohnen Mr. Roger Cheng S.U.N.Y.
NBS Activitiesin Asbestos Identification and Measurement	Dr. Eric Steel N.B.S.

Question and Answer Session

12:00 - Lunch

Individual Basis

Tour of OSHA Training Institute on Informal Basis
(Lunch at end of day)

1:00 - OSHA Analytical Experiences in Asbestos Identification and Measurement	Mr. Willard C. Dixon OSHA Analytical Lab., Salt Lake City

Panel and Discussion

Opening Remarks by Chairman Mr. Benjamin T. Levadie
State of Vermont
Past Chairman ASTM, D-22

PRELIMINARY AGENDA (Cont'd)

Comments by Panel Members	Dr. Walter C. McCrone Dr. Voelker A. Mohnen Dr. Eric Steel Mr. Willard C. Dixon Dr. Paul Gross, M.D. A.C.G.I.H. TLV Committee Member
General participation by Attendees	
Wrap-up	Mr. James S. Ferguson Mr. David M. Trayer

CLOSING ABOUT 5:00 P.M.

Spot test determination of asbestos — Dick Kopel

Historical Background of NIOHH technique — Steve Moyer