AGENDA

NIOSH ASSESSMENT OF PERFORMANCE LEVELS FOR INDUSTRIAL RESPIRATORS: PRERULEMAKING TECHNICAL CONFERENCE

JANUARY 9-11, 1991

January 9, 1991
9:00-9:50 a.m. OPENING SESSION

9:00-9:05 a.m. Introduction
Mr. Larry W. Sparks
Facilitator

9:05-9:25 a.m. Conference Goals
Mr. Larry W. Sparks
Acting Deputy Director, NIOSH

9:25-9:35 a.m. NIOSH Respirator Workplace Performance Research
Dr. Thomas R. Bender
Director, Division of Safety Research

9:35-9:50 a.m. Respirator Performance Assessment: Future Directions
Dr. Donald L. Campbell
Chief, Respiratory Protection Section
NIOSH

9:50 a.m.-5:00 p.m. TECHNICAL PRESENTATIONS

9:50-10:20 a.m. Project Firesmoke: A Workplace Evaluation of Self-Contained Breathing Apparatus
Facilitator
Mr. Larry W. Sparks

10:20-10:30 a.m. BREAK

10:30-11:30 a.m. Workplace Protection Factor Study of Half-Facepiece Particulate Air Purifying Respirators at Two Lead Acid Battery Manufacturing Facilities
Mr. Barry G. Pallay
Chemical Engineer
NIOSH

11:30-12:00 a.m. A Model for Correcting Workplace Protection Factors for Pulmonary Deposition and Other Effects
Mr. Paul Hewett
Industrial Hygienist
NIOSH

12:00 a.m.-1:00 p.m. LUNCH

1:00-1:30 p.m. Measurement of Respirator Performance
Dr. James S. Johnson
Lawrence Livermore
National Laboratory

1:30-1:50 p.m. Outline of an Objective Method for Setting Assigned Protection Factors
Mr. R. M. Howie
Institute of Occupational Medicine, LTD.
1:50-2:50 p.m.  Determining Workplace Protection Factors for Negative-Pressure Elastomeric and Disposable Half Mask Air-Purifying Respirators Phase I-Foundry Operations  Dr. Warren R. Myers  Department of Industrial Engineering, West Virginia University

2:50-3:00 p.m.  BREAK

3:00-4:00 p.m.  Determining Workplace Protection Factors for Negative-Pressure Elastomeric and Disposable Half Mask Air-Purifying Respirators Phase I-Aircraft Painting  Dr. Warren R. Myers  Department of Industrial Engineering, West Virginia University

4:00-4:30 p.m.  Workplace Study of Powered Air-Purifying Respirators  Mr. Donald H. Burd  Racal Health and Safety

4:30-5:00 p.m.  Performance Criteria Document  Mr. John H. King  E. D. Bullard Company

5:00 p.m.  ADJOURN

January 10, 1991

9:00 a.m.-12:15 p.m.  TECHNICAL PRESENTATIONS  Facilitator

9:00-10:30 a.m.  Results and Methods from Eleven Workplace Tests  Mr. Craig E. Colton  3M Company

10:30-10:45 a.m.  BREAK

10:45 a.m.-12:15 p.m.  Problems Encountered During Eleven Workplace Tests  Mr. Allen R. Johnston  3M Company

12:15-1:15 p.m.  LUNCH

12:15-4:45 p.m.  TECHNICAL PRESENTATIONS  Facilitator

1:15-2:15 p.m.  Panel Discussion—Feasibility of Workplace Testing and Alternatives  Ms. Gwen L. Strickland-Cld

2:15-2:45 p.m.  Workplace Protection Factor Study of Negative Pressure Full-Facepiece Dust Respirators During Asbestos Removal  Mr. Donald H. Burd, Racal  Mr. John H. King, Bullard Co.  Mr. Ronald E. King, 3M Company  Mr. Donald P. Wilmes, 3M Company

2:45-3:00 p.m.  BREAK

3:00-3:45 p.m.  Evaluation of Respirator Fit Testing by Controlled Negative Pressure Technique  Dr. Clifton D. Crutchfield  Division of Community & Environmental Health  University of Arizona
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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
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<tr>
<td>3:45-4:15 p.m.</td>
<td>Limitations of Current WPF Studies and OSHA's Experience with Simulated WPF Studies</td>
<td>Mr. Ching-tsen Bien, OSHA, Directorate of Technical Support</td>
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<td>4:15-4:45 p.m.</td>
<td>Feasibility of a New Method to Determine Respirator Protection Factors by Breath Analysis</td>
<td>Dr. Clifton D. Crutchfield, Division of Community &amp; Environmental Health, University of Arizona</td>
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<td>4:45 p.m.</td>
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<td>January 11, 1991</td>
<td>TECHNICAL PRESENTATIONS</td>
<td>Facilitator: Ms. Gwen L. Strickland-Cid</td>
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<td>9:00 a.m.-4:00 p.m.</td>
<td>Validation of a Simulated Workplace Protection Factor Measurement Protocol</td>
<td>Mr. Robert A. da Roza, Lawrence Livermore, National Laboratory</td>
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<td>9:30-9:50 a.m.</td>
<td>Concept of Simulated Workplace Testing of Respirators</td>
<td>Mr. Barry J. White, The Jefferson Group</td>
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<td>9:50-10:15 a.m.</td>
<td>Philosophy of Respirator Testing</td>
<td>Mr. Alan Hack, Los Alamos National Laboratory</td>
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<td>10:15-10:30 a.m.</td>
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<td>10:30-11:00 a.m.</td>
<td>A Simple Test Method for Respirator Cartridge/Canister Effectiveness Against Specific Chemical Challenges and Work Conditions</td>
<td>Ms. M. F. Suzanne Pinette, TRI/ENVIRONMENTAL, INC.</td>
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<td>11:00 a.m.-12:00 p.m.</td>
<td>Reinstallation and Justification for Using Laboratory Face Fit Testing as the Principal Means for Respirator Selection</td>
<td>Mr. Trenton A. Niemeyer, FILCON Corporation</td>
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<td>12:00-1:00 p.m.</td>
<td>LUNCH</td>
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<td>1:00-1:30 p.m.</td>
<td>The Process of Assigning Protection Factors Used by the ANSI Z88.2 Committee</td>
<td>Mr. Thomas J. Nelson, Du Pont Company</td>
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<td>1:30-2:30 p.m.</td>
<td>Open Discussion-Questions, Comments, Concerns</td>
<td>Dr. Donald L. Campbell, Chief, Respiratory Protection Section, NIOSH</td>
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<td>2:30-3:00 p.m.</td>
<td>BREAK</td>
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<td>3:00-4:00 p.m.</td>
<td>Open Discussion-Questions, Comments, Concerns-Continued &amp; Closing Remarks</td>
<td>Dr. Donald L. Campbell, Chief, Respiratory Protection Section, NIOSH</td>
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