

DOCKET OFFICE COPY

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

Facilitator

Mr. Larry W. Sparks

9:50-10:20 a.m.

Project Firesmoke: A Workplace
Evaluation of Self-Contained
Breathing Apparatus

Mr. Gary P. Noonan
Chief, Protective Equipment Section
NIOSH

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

Mr. Larry W. Sparks

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

Ms. Gwen L. Strickland-Cid

1:15-2:15 p.m.	Panel Discussion--Feasibility of Workplace Testing and Alternatives	Mr. Donald H. Burd, Racal Mr. John H. King, Bullard Co. Mr. Ronald E. King, 3M Company Mr. Donald P. Wilmes, 3M Company
2:15-2:45 p.m.	Workplace Protection Factor Study of Negative Pressure Full-Facepiece Dust Respirators During Asbestos Removal	Ms. Susan N. Tannahill Environmental Health Division University of Strathclyde
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

3:45-4:15 p.m.

**Limitations of Current WPF Studies
and OSHA's Experience with Simulated
WPF Studies**

**Mr. Ching-tsen Bien
OSHA, Directorate of
Technical Support**

4:15-4:45 p.m.

**Feasibility of a New Method to
Determine Respirator Protection
Factors by Breath Analysis**

**Dr. Clifton D. Crutchfield
Division of Community &
Environmental Health
University of Arizona**

4:45 p.m.

ADJOURN

January 11, 1991

9:00 a.m.-4:00 p.m.

TECHNICAL PRESENTATIONS

Facilitator

Ms. Gwen L. Strickland-Cid

9:00-9:30 a.m.

**Validation of a Simulated
Workplace Protection Factor
Measurement Protocol**

**Mr. Robert A. da Roza
Lawrence Livermore
National Laboratory**

9:30-9:50 a.m.

**Concept of Simulated Workplace
Testing of Respirators**

**Mr. Barry J. White
The Jefferson Group**

9:50-10:15 a.m.

Philosophy of Respirator Testing

**Mr. Alan Hack
Los Alamos National Laboratory**

10:15-10:30 a.m.

BREAK

10:30-11:00 a.m.

**A Simple Test Method for Respirator
Cartridge/Canister Effectiveness
Against Specific Chemical Challenges
and Work Conditions**

**Ms. M. F. Suzanne Pinette
TRI/ENVIRONMENTAL, INC.**

11:00 a.m.-12:00 p.m.

**Reinstallation and Justification
for Using Laboratory Face Fit
Testing as the Principal Means
for Respirator Selection**

**Mr. Trenton A. Niemeyer
FILCON Corporation**

12:00-1:00 p.m.

LUNCH

1:00-1:30 p.m.

**The Process of Assigning Protection
Factors Used by the ANSI Z88.2
Committee**

**Mr. Thomas J. Nelson
Du Pont Company**

1:30-2:30 p.m.

**Open Discussion-Questions, Comments,
Concerns**

**Dr. Donald L. Campbell
Chief, Respiratory Protection
Section, NIOSH**

2:30-3:00 p.m.

BREAK

3:00-4:00 p.m.

**Open Discussion-Questions, Comments,
Concerns-Continued & Closing Remarks**

**Dr. Donald L. Campbell
Chief, Respiratory Protection
Section, NIOSH**

4:00 p.m.

ADJOURN