

DOCKET OFFICE COPY

School of Health Related Professions

THE UNIVERSITY OF
ARIZONA
HEALTH SCIENCES CENTER

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December 12, 1990

Dr. Alfred A. Amendola
Deputy Director
Division of Safety Research
NIOSH/CDC
944 Chestnut Ridge Road
Mail Stop S118B
Morgantown, West Virginia 26505

Dear Dr. Amendola:

I wish to present some research findings at the NIOSH Assessment of Performance Levels of Industrial Respirators workshop that has been scheduled for January 9-11, 1991 in Morgantown.

If possible, I would like to present on the 10th. The topics I wish to present, along with presentation times, are as follows:

1. Evaluation of respirator fit testing by controlled negative pressure technique - 45 minutes
2. Feasibility of a new method to determine respirator protection factors by breath analysis - 30 minutes

Thank you for your consideration of this request. Please contact me at (602) 882-5855 if additional information is required.

Sincerely,

Clifton D. Crutchfield
Clifton D. Crutchfield, Ph.D., CIH
Director, Industrial Hygiene

CDC:js

December 14, 1990

TO: Dr. Alfred A. Amendola
Deputy Director,
Division of Safety Research,
NIOSH, CDC,
Morgantown, WV

SUBJECT: NIOSH Assessment of Performance Levels for Industrial Respirators: Prerulemaking Technical Conference. January 9-11, 1991. Attendance.

The below two representatives of the Lawrence Livermore National Laboratory wish to attend the above mentioned conference and make oral presentations.

Dr. James S. Johnson, CIH
LLNL, L386
POB 5505
Livermore, CA 54550
(415) 422-5165

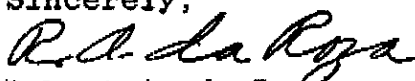
Robert A. da Roza
LLNL, L386
POB 5505
Livermore, CA 54550
(415) 422-5228

Each will need about 30 minutes to make their presentations.

Topics to be covered by Mr da Roza are associated with the validation of a simulated workplace protection factor measurement protocol. They are: linearity of the photometer response to aerosol concentration; loss of aerosol in the sampling line; the effect of moisture, carbon dioxide, and subject generated aerosols; comparison of gas leakage with aerosol leakage; the measurement of challenge aerosol mass by non-gravimetric means; the stability of the challenge aerosol particle size distribution; and bias produced by sample probe location (through the lense and below the exhalation valve) and leak location (temple, cheek and forehead) for both air-purifying and air-supplying respirators.

Topics to be covered by Dr Johnson are: the purpose for measurment of respirator performance, the pros and cons of current methods used to measure workplace respirator performance, concerns over proposed tests to measure workplace protection factors and the "ultimate way" to measure respirator performance - biological monitoring of the respirator user.

Sincerely,


Robert A. da Roza

---UNCLASSIFIED---

FAX TRANSMITTAL SHEET

**LAWRENCE LIVERMORE NATIONAL LABORATORY
HAZARDS CONTROL DEPARTMENT
SPECIAL PROJECTS DIVISION**

TO: Dr. Alfred Amendola ^{FTS} **FAX #:** 923-4904
D.O. Div. of Safety Research **VERIFY #:** 923-4595

FAX #: _____
VERIFY #: _____

FROM: Robert da Roza

TELEPHONE: FTS 532-5228

FAX FTS #8-532-5176
COMMERCIAL #415-422-5176

DATE: Dec 14, 1990 **PAGE 1 OF** 2

MESSAGE: Attendance at NIOSH Conference
on Respirator Performance.

SPD