

Monsanto

FROM (NAME LOCATION-PHONE)

Dept. of Medicine & Environmental Health J.J. Murphy - A2SC (4-2746)

DATE: March 5, 1979
SUBJECT: Respiratory Protection

cc: C. D. Bohl - A2SG
B. W. Eley - A2SC
D. L. Meade - 1200
M. S. Abbott - A2SE

REFERENCE: Phone Discussion 3/1/79

TO Jackie Williams - 1200

Per our discussion, please find enclosed a DMEH library copy of NIOSH publication #79-189, A Guide to Industrial Respiratory Protection. It has been signed out in your name. You may have it on loan for up to two months. I would suggest that you either photocopy it or purchase from the Government Printing Office a copy for your use as a basic reference on Industrial Respiratory Protection. In my opinion, it is the most up-to-date and comprehensive document presently available on this subject.

Since you are just becoming involved in industrial respiratory protection, I would strongly recommend that you attend the NIOSH sponsored seminar #593, "Occupational Respiratory Protection". It is the best seminar available on this topic and should provide you with a solid background in the "basics" of Industrial Respiratory Protection. I have enclosed a copy of the course outline for your review. You should contact Carl Bohl, Industrial Hygiene Training Specialist, for further information as to course dates, reservations, etc.

If you have any questions concerning the above, please contact me at 4-2746.


J. J. Murphy

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Enclosure

PLAINTIFF'S EXHIBIT

MON-2556

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Jsu

OCCUPATIONAL RESPIRATORY PROTECTION (593)

This course, aimed at individuals who have responsibility for any portion of a respirator program, is designed to provide the necessary information to initiate or upgrade a program to comply with the requirements of the OSHA Act. Applied training is included in both Lecture and Laboratory exercises. At the conclusion of this course, the trainee will be able to initiate and supervise an entire respirator program which will meet the minimum requirements set forth in OSHA section 1910.134. The training course manual has been specially prepared for the trainees attending the course and should not be included in reading lists of periodicals as generally available.

Equipment used in this training course has been selected to familiarize the trainee with a wide variety of types now on the market. Use in this course does not constitute an endorsement by NIOSH of products of any specific manufacturers.

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OCCUPATIONAL RESPIRATORY PROTECTION (593)

AGENDA

REVIEW DRAFT

April 2-5, 1979

**University of Cincinnati
Department of Environmental Health**

**Course Location:
Robert A. Taft Laboratories
4676 Columbia Parkway
Cincinnati, Ohio 45226**

**Course Director: M. K. Gerhard
(513) 872-5733**

**Course Instructor: Darrell A. Bevis
OSHTECH, Inc.**

Monday, April 2

8:30 A.M. SESSION NO. 1

COURSE OPENING

- Registration
- Opening Remarks

INTRODUCTION

- Purpose of Training
- Scope of Training
- Introduction to Manuals and Equipment

PERMISSIBLE PRACTICE

- Discuss prerequisite considerations to respirator use per 29 CFR 1910.134

ELEMENTS OF A MINIMAL ACCEPTABLE RESPIRATORY PROGRAM

- Discuss the basic elements of a program as required by 29 CFR, 1910.134
- Show film — "Your Right to Breathe Safely"

12:30 P.M. SESSION NO. 2

APPROVED AND ACCEPTED RESPIRATORS

- Discuss and explain the accepted respirator
- Discuss approved respirators
- Approval agencies
- Approval schedules
- Listing of approved equipment
- Labeling of approved devices
- Maintaining approval

Tuesday, April 3

8:30 A.M. SESSION NO. 3

PROGRAM ADMINISTRATION

- Discuss responsible person
- Discuss competency of person

TERMINOLOGY AND NOMENCLATURE

- Explain all types of equipment available
- Define terms used

STANDARDS OPERATING PROCEDURES (SOP'S)

- Cite all regulations
- Define SOP
- Evaluate sample SOP'S

12:30 P.M. SESSION NO. 4

CLASS EXERCISE

- Inspect and wear personal 1/2 masks (30-45 minutes)

INSPECTION

- Cite all regulations
- Video tape (Inspection of air purifying devices)
- Class exercise
 - Inspect faulty respirators
- Summarize points of inspection and procedures

USER TRAINING AND EDUCATION

- Cite all regulations
- Discuss methods and goals of training
 - Demonstrate SCBA training

Wednesday, April 4

8:30 A.M. SESSION NO. 5

RESPIRATOR FITTING

- Cite all regulations
- Discuss methods of fitting
- Demonstrate qualitative testing
- Class exercise
 - Class will perform qualitative tests

RESPIRATOR STORAGE

- Cite all regulations
- Discuss conditions for proper storage

12:30 P.M. SESSION NO. 6

CLEANING AND MAINTENANCE

- Cite all regulations
- Discuss proper methods of cleaning, sanitizing and repairing respirators

SELECTION

- Cite all regulations
- Discuss general aspects of selection
 - General considerations
 - Nature of hazard
 - Classification of hazard
 - Oxygen deficiency

BEHAVIORAL CHANGE TECHNIQUES

Thursday, April 5

8:30 A.M. SESSION NO. 7

SELECTION

- Capabilities and limitations of respirators
 - Discuss sorbent canister and cartridge limits
 - Maximum use concentrations
 - Sorbent breakdown
 - Nelson et al. work
- Selection guides
 - Discuss basis
 - Discuss application
- Decision logic (NIOSH/OSHA)
 - Discuss development
 - Discuss applications

AIR QUALITY AND COMPRESSORS

- Cite all regulations
- Discuss meaning and compliance methods

MEDICAL

- Cite all regulations
- Discuss methods of compliance

RESPIRATOR USE CONDITIONS

- Cite regulations
 - Discuss specific conditions of use
- Show film on escape respirator

12:30 P.M. SESSION NO. 8

SPECIAL PROBLEMS

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12:30 P.M. **SESSION NO. 8**

SPECIAL PROBLEMS

- Discuss solutions
- Prescription glasses
- Temperature extremes
- Communications
- Welding
- Facial hair

CLASS EXERCISE

- Use of all equipment

INVENTORY AND CONTROL

- Discuss methods and aids

QUALITY ASSURANCE

- Discuss need and methods

PROGRAM SURVEILLANCE

- Discuss regulations
- Discuss intent

4:15 P.M. **COURSE CLOSING**

