

HOW TO REGISTER

To register for this seminar, just fill out the reverse side of this page and return to:

3M Company
Department "F"
P. O. Box 33984
St. Paul, MN 55144

Deadline for registration is ten (10) days prior to seminar.

COURSE FEE

The course fee is \$40.00 for the first participant from any organization. Additional participants can register for \$25.00 each.

Registration at the door is \$50.00 per participant.

Student rate is \$15.00.

The fee includes lunch and all course materials.

CANCELLATION

The course fee is fully refundable if cancellation is made ten (10) days prior to the date of the course.

THE INSTRUCTORS

Dr. Leon Anders, PhD
Research Manager
Occupational Health and Safety Products
3M Company; St. Paul, MN

Ms. Rita Shor
Development Specialist
Occupational Health and Safety Products
3M Company; St. Paul, MN

DATES AND LOCATIONS OF 3M AIR MONITORING SEMINARS

Baton Rouge, LA
March 1, 1983
Sheraton - Constitution St.

Beaumont, TX
March 2, 1983
Sheraton Spindletop Inn

Houston, TX
March 3, 1983
Marriott Astrodome

Atlanta, GA
March 22, 1983
Sheraton Atlanta Hotel

Saddlebrook, NJ
March 23, 1983
Marriott Hotel

FUTURE SEMINARS

Los Angeles, CA
October, 1983

San Francisco, CA
October, 1983

You're Invited

A ONE DAY COURSE

"FIELD APPLICATIONS OF DIFFUSIONAL AIR SAMPLING"

This course will emphasize field experience in measuring atmospheres with diffusional sampling devices. Included also will be a brief review of applicable theories and an overview of the ever-increasing body of technical information available to support the use of diffusional samplers. Participants will receive a course notebook containing course notes, third party references, bibliographies, recommended protocols and 3M technical papers.

THIS NEW CERTIFIED COURSE
OFFERS ALL PARTICIPANTS ONE
ABIH MAINTENANCE CREDIT.

THIS COURSE IS SPONSORED BY
3M COMPANY - OH&SP DIVISION

3M 000027

FIELD APPLICATIONS OF DIFFUSIONAL AIR SAMPLING

AGENDA

- I. Review Basic Theory Of Diffusional Air Sampling
- II. Major Sources Of Error For Active And Passive Samplers
- III. Determination Of Sampling Rate
 - A. Ethylene oxide field studies at a medical products manufacturer
 - B. Sampling rate validations.
 - C. New method of diffusion coefficient determination
- IV. Effect Of Adsorbent
 - A. Theory
 - B. NIOSH/UBTL studies
 - C. Field study with the 3520 OVM in the Petroleum Industry
 1. Reference: Charcoal Tubes
 2. Four Organic Mixtures
- V. Analytical Methods
 - A. Organic vapor - Recovery Coefficients
 - B. Ethylene oxide
 1. Sensitivity factor vs working curves
 2. Detection limits
 - C. Formaldehyde
 1. Phenol interference documentation for chromotropic acid method.
 2. Minnesota Home Builders Formaldehyde Study
 3. Printing products plant
 4. OSHA Laboratory study
- VI. Effects Of Temperature/Pressure
 - A. Application of diffusional samplers
 - B. Application of active samplers (explanation of compliance method in Federal Register)
- VII. Effects of transient or fluctuating concentrations
- VIII. Sampling Protocols
 - A. NIOSH and ASTM proposed protocols
 - B. 3M field sampling methods
- IX. Other field sampling methods

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(list location)

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You will receive confirmation
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Company _____

Address _____

City _____ State _____ Zip _____

Telephone _____

Meeting will be attended by: _____

3M 000027A

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Houston, TX
March, 1983

Baton Rouge
March, 1983

Beaumont, TX
March, 1983

Saddle Brook, NJ
April, 1983

Atlanta, GA
April, 1983

Los Angeles, CA
October, 1983

San Francisco, CA
October, 1983

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3M 000037

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