INDUSTRIAL HEALTH FOUNDATION, INC.
5231 Centre Avenue
Pittsburgh, Pennsylvania 15232

TRAINING COURSE
and
WORKSHOPS

on the

FUNDAMENTALS OF INDUSTRIAL HYGIENE ENGINEERING

at

Marriott INN
PITTSBURGH, PA.

MAY 23-24-25, 1978

Co-sponsored by

Industrial Health Foundation, Inc.
5231 Centre Avenue
Pittsburgh, Pennsylvania 15232
(412) 687-2100

and

American Industrial Hygiene Association
Pittsburgh Section

RATIONALE: Again, Industrial Health Foundation joins the Pittsburgh Section of American Industrial Hygiene Association in co-sponsoring "Fundamentals of Industrial Hygiene Engineering." Designed for those with responsibilities in occupational health, industrial hygiene, safety, and operating areas, the course will be of special interest to the industrial hygienist, safety and/or loss control specialist, and operating executive. The curriculum has been influenced by suggestions from participants of the four prior co-sponsored courses. Cases in point are 1) the workshop sessions demonstrating the use of instruments discussed in the lectures, 2) the informal evening problem-solving session, and 3) the breakfast discussional where attendees may raise questions and discuss and exchange views. Sessions, conducted by outstanding authorities in their respective fields, are held in an atmosphere that encourages individual questions and a free exchange of information and ideas. The evaluation and control of industrial health, as related to the Occupational Safety and Health Act, will be adequately handled.

CONTINUING EDUCATION UNITS (CEU's): A certificate of training and 1.5 CEU's will be awarded for successful completion of the course. CEU's are a nationally recognized unit of measurement....permanently recorded at Industrial Health Foundation.

REGISTRATION: Registration is personal, non-transferable, and made for the entire period of the course. Return the registration form with tuition. All registrations will be confirmed. Early enrollment is suggested. Maximum enrollment: 55; minimum: 30.

TUITION: Members of IHF or AIHA - $165.00
Nonmembers - $235.00

Make checks payable to Industrial Health Foundation. The full tuition is payable in advance, and includes course materials, two luncheons, one breakfast, and beverage breaks, as shown in program.

Employees of industrial organizations having membership in IHF, and persons holding membership in AIHA, are eligible for the member rate, as are registrants from educational institutions and government.

CANCELLATIONS: Registrations cancelled after May 12 are subject to a $25.00 administrative charge. No refunds without advance notice of cancellation. Industrial Health Foundation reserves the right to cancel this program if sufficient registrations are not received.

PLACE AND HOUSING: Marriott Inn, 101 Marriott Drive, Pittsburgh, Pa. 15205. Phone: (412) 922-8400. A block of guest rooms has been reserved for the nights of May 22, 23, and 24. Mail requests to the Marriott's Reservations Manager, using the form provided.

The Marriott provides courtesy limousine service from Pittsburgh International Airport at 20 minutes after each hour, until 10:20 pm, leaving from the lower level near Allegheny Airlines' baggage claim area.

FACULTY:
C. Wayne Hickerstall, Administrator, Headquarters Industrial Hygiene, Westinghouse Electric Corp., R & D Center, Pittsburgh, Pa.
Michael Brian, Dir., Engineering Services, Industrial Health Foundation, Pittsburgh, Pa.
Paul J. Hitchs, Ph.D., Senior Industrial Hygienist, OSHA, Pittsburgh, Pa.
James O. Jackson, Ph.D., Dir., Industrial Hygiene Lab., Gulf Oil Corp., Pittsburgh, Pa.
William C. Jones, Mgr., Environmental Health, United States Steel Corp., Pittsburgh, Pa.
A. A. Mammarelli, Jr., Mgr., Industrial Health Engineering, Jones and Laughlin Steel Corp., Pittsburgh, Pa.
Augustine E. Moffitt, Sr. D., Dir., Environmental Chemistry and Toxicology, Bethlehem Steel Corp., Bethlehem, Pa.
Charles H. Powell, Sr. D., Mgr., Health Services Administration, PPG Industries, Pittsburgh, Pa.
George Reilly, Dir., Safety and Training, Industrial Health Foundation, Pittsburgh, Pa.
Thomas J. Sean, Industrial Hygienist, ARCO/Polymers, Monaca, Pa.
H. Wilbur Spitzer, Industrial Hygiene Engineer/Health Physicist, Industrial Health Foundation, Pittsburgh, Pa.
William R. Thornton, Ph.D., Dir., Life Sciences, Gulf Oil Corp., Pittsburgh, Pa.
Joseph E. Zatik, Product Specialist-Portable Instruments, Mine Safety Appliances Co., Pittsburgh, Pa.

John V. Skenelli, Safety Dir.
Harbison-Walker Refractories
Division of Dresser Ind., Inc.
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Pittsburgh, PA 15222

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TUESDAY, MAY 23, 1978

7:15 am Registration

8:20 am Welcome and Orientation
Mr. Reilly

8:30 am General Principles in Evaluating the Industrial Environment
Mr. Mammarelli
- Common Denominator (The Worker)
- Wholistic Approach
- Evaluation and Control
- Tools of the Trade
- Questions and Answers

9:30 am Break

9:45 am Industrial Toxicology
Dr. Moffitt
- Acute versus Chronic Exposure
- Elements versus Individual Compounds, etc.
- Synergism, Independent Effects
- Ceiling Values, Peak Values, TWA
- Dose Response, Adaptation
- Questions and Answers

10:45 am Industrial Hygiene Aspects of Gases, Vapors, and Particulates
Mr. Zelek
- Use of the Material
- Physiological Effects
- Permissible Levels
- Measurement versus Detection
- Control Techniques
- Questions and Answers

12:00 pm Lunch

1:00 pm Air Sampling Instrumentation
Mr. Zelek
- Combustible Gas Indicators
- Carbon Monoxide Sampling Devices
- Detector Tubes
- Oxygen Analyzers
- Personal Air Sampling Pumps
- Questions and Answers

2:15 pm Workshop on Gas and Vapor Evaluation
Messrs. Zelek and Bickerstaff

3:30 pm Break

3:45 pm Workshop on Particulate Evaluation
Messrs. Brian and Mammarelli

5:00 pm Adjourn until 7:30 pm

7:30 pm Workshop on the Recognition, Evaluation, and Control of Occupational Health Hazards
Mr. Mammarelli

An informal session featuring practical industrial hygiene problems likely to arise in the work place. Attendees will be given problems and the opportunity to advance solutions.

9:00 pm Adjourn for the Day

WEDNESDAY, MAY 24, 1978

9:00 am Analytical Considerations for Industrial Hygienists
Dr. Jackson
- Sampling Requirements
- Submission Guidelines
- Analytical Techniques
- Potential Problem Areas
- Questions and Answers

10:15 am Break

10:30 am Occupational Noise—Evaluation and Control
Dr. Thornton
- Physics of Sound
- Effects of Noise on Man
- Noise Survey Techniques
- Principles of Noise Abatement; Shielding, Isolation, Suspension
- Questions and Answers

12:00 pm Lunch

1:15 pm Workshop on Sound Level Meters and Calibration
Dr. Thornton

2:30 pm Break

2:45 pm Hazardous Materials—Toxicity, Safe Handling, Labeling, and Storage
Dr. Powell
- Material Safety Data Sheets
- Precautionary Labeling
- Instructions to Employees
- Hazardous Materials Spills
- Disposal Methods
- Control
- Toxic Substances Control Act
- Questions and Answers

4:00 pm Record Keeping and Documentation
Dr. Hitchu
- Importance of Recording Data
- Legal and Professional Requirements
- Questions and Answers

5:00 pm Adjourn for the Day

THURSDAY, MAY 25, 1978

7:30 am Breakfast (Recreational

Subject: What is the Real Significance of the OSHA Health Standards?
Mr. Janes

With the discussional format participants are encouraged to raise questions and discuss and exchange views.

9:15 am Key Elements of Respiratory Protection
Mr. Senn
- Selection; Basic Types
- Training, Fitting and Usage
- Maintenance
- Questions and Answers

10:15 am Break

10:30 am Ventilation
Mr. Speicher
- Concepts
- General Ventilation versus Local Exhaust
- Economics
- Selection of Equipment
- Questions and Answers

12:15 pm Presentation of Certificates

12:30 pm Adjournment

ROOM RESERVATION

IHF/AIHA Training Course
Fundamentals of Industrial Hygiene Engineering
Marriott Inn, Pittsburgh, Pa., May 23-25, 1978

Name _____
Company _____
Address _____
_____ Zip _____
Arrival Date _____ Time _____ Departure Date _____
☐ Single occupancy, one person $35.00 plus 7% tax
☐ Twin bedroom, two persons $43.00 plus 7% tax

COURSE REGISTRATION

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Title _____
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_____ Zip _____
Telephone _____
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Make check payable and mail to: INDUSTRIAL HEALTH FOUNDATION, 5231 Centre Ave., Pittsburgh, Pa. 15232

MAIL POST REQUEST TO: Registration Manager, MARRIOTT INN, 101 Marriott Dr., Pittsburgh, Pa. 15205