

NEW TO INDUSTRIAL HYGIENE: FUNDAMENTALS

This one-day "crash" course introduces those new to the field of industrial hygiene, or those looking to learn about the field of industrial hygiene, to the fundamental concepts of anticipation, recognition, evaluation, and control of occupational exposure to chemicals and noise. Topics are presented in a practical and interactive manner and explore how exposure occurs, application of Occupational Exposure Limits, the health effects of chemicals and noise, approaches to evaluating and measuring chemical and noise exposures, and the essentials of exposure control.

Course fee includes a comprehensive resource manual, refreshments, and lunch.

AGENDA: Registration and Coffee at 7:45 a.m.
Course Adjourns: 5:00 p.m.

COURSE TOPICS:

- **Workplace Exposure Fundamentals**
 - Routes of exposure
 - How exposure occurs
 - Recognizing exposure risks
 - Exposure assessment strategies
- **Occupational Exposure Limits**
 - Promulgation of limits
 - Units conversions
 - Time weighting and adjustments
 - Application to risk assessment
- **Toxicology and Occupational Health**
 - Toxicology basics and target organs
 - Understanding Safety Data Sheets
 - Occupational Health programs
- **Industrial Hygiene Monitoring**
 - What, where, why, and who to sample
 - Sampling and analytical methods
 - Understanding IH Lab reports
 - Data variability and uncertainty
- **Exposure Control Essentials**
 - Hierarchy of controls
 - Ventilation basics
 - Administrative controls
 - Personal protective equipment
- **Noise Exposure**
 - Effects of noise on hearing and audiograms
 - Noise exposure limits
 - Noise dosimetry and mapping
 - Engineering controls

About SafeBridge Consultants

SafeBridge Consultants, Inc., a Trinity Consultants company, is composed of board-certified health and safety professionals with years of experience in a variety of industries, with a focus on chemical, pharmaceutical and laboratory workplaces. The SafeBridge team includes toxicologists capable of determining and documenting safe workplace exposure levels for new chemicals, industrial hygienists to assess worker exposure and recommend controls, safety professionals to develop regulatory compliance programs and on-site inspection services and chemists knowledgeable in analytical techniques capable of detecting novel chemical materials at extremely low levels.

Course Director: Brent Altemose, Ph.D., CIH, CSP

Since beginning his career as a ventilation engineer, Brent Altemose has worked for over 20 years in the fields of industrial hygiene and occupational safety. Dr. Altemose has particular expertise in exposure control, exposure assessment strategies, analysis of industrial hygiene data, local exhaust ventilation, and indoor air quality.

For additional information, call Allison McCarthy at (212) 727-0717 x2407 or register online.