



# HYGIENETECH

Hygiene Technologies International, Inc.

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## KENNY K. HSI, CIH

ABIH-Certified Industrial Hygienist with a Master of Public Health degree in Environmental and Occupational Health. Responsibilities include identifying, evaluating, and controlling hazardous conditions in industrial and non-industrial environments.

### EDUCATION AND TRAINING

- Master of Public Health, Environmental and Occupational Health, Loma Linda University, Loma Linda, California, 1996
- Bachelor of Science in Biology, University of California, Los Angeles, California, 1994
- Hazardous Waste Operations and Emergency Response Training pursuant to Title 29, Code of Federal Regulations, Part 1910, Section 120, EnviroHealth, Inc., 1997

### CERTIFICATIONS

- Certified Industrial Hygienist, Comprehensive Practice, American Board of Industrial Hygiene, Number 8762, 2004

### EXPERIENCE AND BACKGROUND

**1998 - Present**      **Hygiene Technologies International, Inc., Ontario, California**  
Technical Director

Manage a staff of industrial hygienists that provide industrial hygiene and occupational safety services to clients in a variety of industries including aerospace, petroleum refining, manufacturing, environmental engineering, construction, building management, insurance, and utilities. Also provide and supervise industrial hygienists that perform indoor air quality studies in non-industrial environments, such as office buildings, health care facilities, and schools. Conduct and supervise surveys designed to identify employee exposures potentials to chemical substances such as petroleum hydrocarbons, aldehydes, lead and other metals, fibrous and nuisance dusts, pesticides, carbon monoxide and carbon dioxide, bioaerosols (bacteria and fungi) and allergens; as well as physical agents such as noise, air temperatures and relative humidity, and ionizing and non-ionizing radiation. Evaluate exposure data based on health hazard studies and provide interpretations of exposures in light of OSHA, EPA, and other environmental and occupational health regulations and guidelines. Recommend courses of action to control exposures and reduce the potential for injury, illness, and/or property



## **EXPERIENCE AND BACKGROUND (CONTINUED)**

**1998 - Present**                      **Hygiene Technologies International, Inc., Ontario, California**  
(Continued)                              Technical Director

loss. Such controls typically involve the use of local exhaust ventilation, work practice modification, and personal protective equipment in order to reduce exposure potentials. Conduct ventilation surveys involving laboratory hoods, paint spray booths, and other local and general ventilation systems. Provide assistance to clients in developing cost-effective engineering controls, which will reduce the potential for injury and/or loss of property.

Conduct and supervise fungal and bacterial growth assessment and exposure surveys, primarily in buildings that have had known water intrusion events, such as those caused by window or roof leaks, groundwater seepage, plumbing failures, or sewage spills. Use direct-reading instruments to determine moisture content data in varying building materials. Collect surface samples from building materials to assess fungal and bacterial growth potentials, and air samples to determine concentrations of both viable and nonviable fungi, and viable bacteria. Identify microbes and assess health hazard potentials, identify the sources of water that are potentially attributable to the biological growth, develop abatement strategies, and establish appropriate engineering and personal protective equipment controls during any anticipated remediation work. Provide project design and general consulting during abatement projects, and perform site surveillance, air monitoring, and surface sampling on such sites.

Perform safety audits in a variety of occupational environments, including manufacturing and plating shops, foundries, refineries, and material handling facilities. Audits typically involve a review of accident records, policies, and procedures; facility inspections in order to identify unsafe acts and conditions; and an evaluation of safety, chemical, and physical hazards. The primary concerns often include machine guarding, fire prevention, emergency evacuation procedures, storage of hazardous materials, work station design, industrial ventilation, lifting hazards, proper placement of emergency equipment, elevated platform safety, confined space entry, lockout/tagout programs, forklift safety, welding hazards, and use of personal protective equipment. All such information is compiled on Safety Inspection Report forms that include site observations, applicable regulatory citations, recommended action, and objective corrective action deadlines. All survey observations and data are evaluated as appropriate with respect to the OSHA General Industry Safety Orders, Construction Safety Orders, Tunnel Safety Orders, and other applicable U.S. or foreign regulations. Recommendations are provided concerning appropriate, cost-effective controls and work practice modifications designed to limit the potential for injury, illness, reduced productivity, and/or loss of property.

Perform environmental monitoring for hazardous materials/waste operations. Experienced in the use of combustible gas and oxygen indicators, photoionization detectors, flame ionization detectors and other direct-reading monitoring equipment. Develop site health and safety plans and act as site safety officer during



## **EXPERIENCE AND BACKGROUND (CONTINUED)**

**1998 - Present**            **Hygiene Technologies International, Inc., Ontario, California**  
(Continued)                Technical Director

hazardous waste site investigations and remediation projects. Perform inspections and conduct monitoring in connection with underground storage tank certification.

Conduct training programs on various health and safety topics including hazard communication, specific chemical hazards, confined space entry, laboratory safety, asbestos awareness, flammability hazards, hearing conservation, bloodborne pathogens, safe work practices, exposure guidelines, emergency response and site control, respiratory protection, personal protective clothing, medical surveillance, and decontamination procedures.

Provide expertise in the area of industrial and environmental noise evaluation and control. Perform research and update toxicological, analytical and regulatory databases. Provide technical direction for field activities. Prepare industrial hygiene and environmental air monitoring reports, as well as peer-review other such documents for technical accuracy and completeness.

**1997 - 1998**                **EnviroHealth, Inc., Lakewood, California**  
Industrial Hygienist

Provided industrial hygiene and occupational safety services to clients in a variety of industries. Performed indoor air quality studies in non-industrial environments. Conducted surveys designed to identify employee exposures potentials to chemical substances such as petroleum hydrocarbons, aldehydes, lead and other metals, fibrous and nuisance dusts, pesticides, carbon monoxide and carbon dioxide, and bioaerosols; as well as physical agents such as noise, air temperatures and relative humidity, and ionizing and non-ionizing radiation. Evaluated exposure data, provided interpretations of exposures in light of applicable regulations and guidelines, and recommended courses of action to control exposures and reduce the potential for injury, illness, and/or property loss. Conduct ventilation surveys involving laboratory hoods, paint spray booths, and other local and general ventilation systems.

Provided assistance to clients in developing cost-effective engineering controls. Performed safety audits in a variety of occupational environments. Evaluated safety, chemical, and physical hazards, as well as recommended engineering controls. Performed environmental monitoring for hazardous materials/waste operations. Experienced in the use of combustible gas and oxygen indicators, photoionization detectors, flame ionization detectors and other direct-reading monitoring equipment. Developed site health and safety plans and acted as site safety officer during hazardous waste site investigations and remediation projects. Performed inspections and conduct monitoring in connection with underground storage tank certification and removal.



## **EXPERIENCE AND BACKGROUND (CONTINUED)**

**1996 - 1997**                      **Marriott Desert Springs, Desert Springs, California**  
Occupational Safety Consultant

Conducted safety inspections to determine State of California, Department of Industrial Relations, Division of Occupational Safety and Health (Cal/OSHA) compliance with the Title 8 California Code of Regulations, General Industry Safety Orders. Reviewed accident records, policies, and procedures to identify unsafe acts and conditions. Recommended courses of action to correct the unsafe acts or conditions. Developed various health and safety programs.

**1986**                                **San Bernardino County Department of Health, San Bernardino, California**  
Assistant Epidemiological Investigator

Assisted in the investigation into a reported food-borne contamination outbreak. Collected all data through telephone and in-person interviews. Performed statistical analyses of data to determine possible disease agent(s) and/or vector(s).

## **PROFESSIONAL AFFILIATIONS**

- American Industrial Hygiene Association, National and Orange County Section
- American Society of Safety Professionals, National and Local Sections