



**KATHLEEN LAVATY, CIH, CSP, M.P.H.**  
**SENIOR STAFF CONSULTANT/ESi Corporate Safety Manager**

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Ms. Kathie Lavaty is a Certified Industrial Hygienist and a Certified Safety Professional with over 30 years of experience in occupational health and safety consulting and program management. Ms. Lavaty has conducted numerous industrial hygiene, occupational safety, and environmental projects, including worker exposure assessments (quantitative and qualitative), indoor air quality, water intrusion/fungal growth and sewage contamination assessments and remediation plans & oversight, community and personal noise exposure evaluations, and worker accident investigations.

She has managed occupational safety and health programs for employers in a variety of sectors, including power generation (fossil and nuclear), construction/demolition, environmental remediation, manufacturing, and maritime. Kathie has developed and audited occupational health and safety management systems, conducted exposure reconstruction scenarios and provided expert witness support on a variety of industrial hygiene cases.

### Areas of Specialization

- Risk Assessment
- Air Sampling
- Water intrusion/fungal growth/sewage contamination assessment & remediation
- Safety program development, review:
  - respiratory protection
  - fall protection
  - hearing protection
  - confined space
  - machine guarding
  - hazardous energy control (LOTO)
- Safety training/equipment
- Construction safety
- Federal and state OSHA
- Exposure Assessment
- Noise/sound level measurement (occupational and community)
- Confined space
- Accident prevention programs, H&S management systems
- Residual fire smoke
- Vapor intrusion studies

### Education

M.P.H. Occupational Health & Safety Program Management, School of Public Health, Tulane University

B.S. Biology, Idaho State University

## Professional Certifications/Licenses

Certified Industrial Hygienist (CIH), Certificate # 6613

Certified Safety Professional (CSP), Certificate # 15820

AHERA Certified Asbestos Inspector and Project Designer

## Training –

“Communicating Risk Pathways from EHS Hazards Identification to Enterprise Risk Management”, May 2021, PDC associated with American Industrial Hygiene Conference, 16 hours

AIHce 2022, 3 days

“Identifying and Quantifying Post-Fire and Post-Urban Wildfire Hazards”, May 2021, PDC associated with American Industrial Hygiene Conference, 8 hours

AIHce 2021, 1 day virtual conference

“Updates to the 2021 Threshold Limit Values”, July 2021, American Congress of Governmental Industrial Hygienists webinar, July, 2021, 1.5 hours

“Sewage Contamination: Microbiology, Health Risks and Remediation”, June 2021, Eurofins Built Environment, 1.5 hours

“Fungal Data Interpretation”, June 2021, Eurofins Built Environment, 2 hours

“Strategies for Mold Investigations & Sampling”, June 2021, Eurofins Built Environment, 1 hour

“Identifying and Quantifying Post-Fire and Post-Urban Wildfire Hazards”, May 2021, PDC associated with American Industrial Hygiene Conference, 8 hours

AIHce 2022, 3 days

"A Wildfire Puzzle Webinar (Personal Lines Property)", 2021. Property Loss Research Bureau, 1 hour  
AHERA Asbestos Project Designer, November 2020, Argus Pacific, 24 hours

Decision Making in Managing Risk – Expand Content, Strengthen Skills, 4 hours, December 2020 Professional Development Course (PDC), AIHA

The Industrial Hygienist as Expert Witness, May 2019, PDC associated with American Industrial Hygiene Conference and exposition, 16 hours

AIHce 2019, 3 days

Washington Governor’s Industrial Safety and Health Conference, September 2019, 2 days



Occupational Health and Safety System Auditor, May 2018, PDC associated with American Industrial Hygiene Conference and exposition, 8 hours

AIHce 2018, 3 days

AIHce 2017, 3 days

Strategies for Norovirus Infection Control Aboard Cruise Ships, February 2017, Robert E. Wheeler, MD, FACEP, Voyager Medical, Webinar, 3 hours

Ergonomic Assessments of Job Tasks, June 2016 1-day, PDC, ASSP, Atlanta

ASSP Safety PDC, Atlanta, 2016, 4 days

Northwest Occupational Health Conference, October 2016, 1.5 days

Basic Electrical Safety/Arch Flash- Application of NFPA 70E, June 2015, 2-day PDC, ASSP, San Antonio

Delivering a High-Performance Safety Management System, June 2015, ASSE PDC, Dallas

ASSE Safety PDC, June 2015, 4 days

Nanomaterials, Chemical Exposure and Control banding, October 2015, in conjunction with Northwest Occupational Health Conference, 1 day

Northwest Occupational Health Conference, October 2015, 1.5 days

Welding Health and Safety, April 2014, Mike Harris, PhD, Deep South Section, AIHA, 2 hours

Bayesian Inference for Industrial Hygiene Applications, June, 2014, associated with American Industrial Hygiene Conference and Association, 1 day

AIHce, May 2014, San Antonio, TX, 3 days

Dust Combustibility Hazards from Basics to Advanced, May 2013, associated with American Industrial Hygiene Conference and Association, 1 day

Noise Control Engineering, May 2013, associated with American Industrial Hygiene Conference and Association, 1 day

AIHce 2013, Montreal, CA, 3 days

Tropical Offshore Safety Induction and Emergency Training, November 2013, Fremantle, WA, Australia  
Occupational Health Short Course, Department of Community Medicine, Medicine and Health Sciences, UAE University, March 2012, 5 days

ASSE PDC, Middle East Chapter, February 2012, 4 days

Asbestos Inspector Refresher, September 2011, Field Sciences Institute, 1 day

Society for Protective Coatings, Lead Removal Supervisor/Competent Person for Commercial Buildings/Superstructures, January 2010, 3 days

Industrial Hygiene Ethics, November 2010, Distance Learning Study Program, D. Jeff Burton 8 hours

Sustainability and Social Responsibility, in conjunction with the Professional Conference on Industrial Hygiene  
Professional Conference on Industrial Hygiene, October 2010, Fort Worth  
Hazardous Waste Operations and Emergency Response Management/Supervisor, July 2010, National Environmental Trainers, 5 days

Oregon Governors Safety and Health Conference, March 2009, 2 days

Pacific Northwest Section AIHA Spring Symposium, April 2009, 1 day

Construction Safety Awareness and Contractor Management, June 2008 associated with American Industrial Hygiene Conference and exposition, 2 days

AIHce 2008, 4 days, Minneapolis

Federal Motor Carrier Safety Regulations Training, September 2008

Nanoparticle Monitoring in Occupational Environments-comparing and Contrasting Measurement Metrics, September 2006

AIHce 2006, 4 days, Chicago

ASSE Safety PDC, June 2006, Seattle, 4 days

AHERA Project Designer, October 2005, Argus Pacific, 3 days

Oregon Governors Occupational Safety and Health Conference, March 2005, 3 days

Pacific Northwest Section AIHA Spring Symposium, April 2005, 1 day

## **Professional Affiliations/Honors**

**American Industrial Hygiene Association (AIHA)**

**American Society of Safety Professionals**

**American Board of Industrial Hygienists**

**Board of Certified Safety Professionals**



## **Positions Held**

### **Terracon Consultants, Inc., Seattle, WA**

Senior Industrial Hygiene/Occupational Safety Consultant

### **Holland America Group, Seattle, WA**

Manager, Occupational Safety Programs

### **Coffey Environments (Coffey International), Perth, Western Australia, AU**

Occupational Hygiene Team Leader

### **Emirates National Oil Company, Dubai, UAE**

Senior Industrial Hygienist

### **Envirocon, Inc., Portland, OR**

Senior Regional Safety and Health Manager

### **Health and Safety Consultant, Portland, OR**

Project Manager

### **Lear Corporation, Southfield, MI**

Industrial Hygiene /Special Projects Manager

### **DTE Energy, Detroit, MI**

Safety Supervisor, Fossil Fuel Generation

Health and Safety Engineer, Fermi II Nuclear Generation Facility

### **Hanford Environmental Health Foundation, Richland, WA**

Senior Safety and Health Consultant

## **Publications/Presentations –**

Indoor Air Quality – Management Plans for Prevention webinar, Conference for Catholic Facility Management, September 2021

The New Silica in Construction Standard, What You Need to Know, Lease Crutcher Lewis Annual Safety Meeting, October 2018

AIHA White Paper - Recommended Skills and Capabilities for Silica Competent Persons, American Industrial Hygiene Association Publications, 2013

Industrial Hygiene Air Sampling Methods, Occupational Medicine short course, March 2012 Department of Community Medicine, UAE University, Al Ain, UAE

Presenter, "Occupational Health – Heat Stress", Joint Industry Best Practices Sharing Workshop, March 2012, Dubai, UAE

Organizational Safety and Health Program Assessment Based on Oregon State Occupational Safety and Health Administration Assessment Tools, Tulane University, Center for Applied Public Health, 2010

Oregon Governor's Occupational Safety and Health Conference, March 2005 CSP/CIH Preparation/Review Course, Application of OSHA Regulations

Worker Safety at the Hanford Tank Farms, The Facts, The Science, The Solutions, CH2MHill, Hanford Group, Inc. 2004

Mold in Buildings, Prevention, Assessment and Resolution,

## **Selected Project Experience**

### *Industrial Hygiene*

- Client had received OSHA citation for failing to evaluate and control potential airborne hazard exposures associated with a 2-D printing process. Evaluated hazards associated with this process and provided reporting to establish that 2-D printing process did not expose employees to airborne hazards.
- Former employee alleged that exposure from chemical spill clean-up at a remote site resulted in permanent and total disability. Used modeling software to estimate liquid spill pool generation rate to demonstrate that potential exposures were more likely than not well below established exposure limits.
- Building (commercial, governmental, and residential) evaluations for airborne and particulate contaminants and development of remediation /restoration protocols. These often-included multiple contaminants, complex configurations or addressing improper first responses.
- Evaluated structures for water intrusion, mold growth and / or sewage infiltration, developed work plans for corrective action and conducted acceptance / clearance inspections.
- Designed and implemented arsenic exposure assessment for semiconductor fabrication equipment manufacturer. Conducted or managed qualitative and quantitative exposure assessments, client interface and data management procedures for documenting and reporting results and data interpretation criteria.

### Occupational Safety

- Conducted slip and fall evaluations on passenger stairs and walkways for major cruise line. Conducted assessments of stairway handrails for conformance to applicable building codes.
- Performed machine guarding assessment at beverage bottling facility following installation of new process equipment layout.

### Occupational Safety and Health Management

- Conducted gap analysis of EHS management system readiness for manufacturing facility. Developed action plan with responsibilities and performance metrics. Initiated job task analysis and PPE assessment processes.
- Collaborated with project manager and software designer, providing industrial hygiene sampling, analysis, and data interpretation expertise to develop an industrial hygiene database for Department of Energy (DOE) Hanford contractor responsible for managing legacy radioactive mixed waste tank farms.
- Managed safety and health oversight of demolition and remediation projects. Identified and prioritized risks and corresponding controls to meet client and regulatory requirements. Managed health and safety aspects of large-scale, long-term remediation and demolition projects (aluminum smelter, gas plant) including supervision of site safety officers, conducting audits and safety reviews to assess compliance with company and client safety policies and procedures.