

SUSAN EVANS, CIH, CSP, P.E.
SENIOR CONSULTANT
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Ms. Evans is a Certified Industrial Hygienist, Certified Safety Professional and Senior Consultant with over 25 years of experience in industrial hygiene, environmental health and safety evaluations, and compliance efforts. She has participated in numerous industrial hygiene, safety, and environmental projects including indoor air quality, microbial colonization, sewage infiltration, smoke and asbestos investigations, remediation/abatement plans and oversight, water and air quality, worker exposure assessments, regulatory agency compliance, real estate environmental assessments, safety investigations, and construction site specific plans, training, and on-site monitoring. Ms. Evans regularly conducts investigations related to building assessments, building code compliance, slips, trips and falls, and ADA compliance assessments.

Ms. Evans is also a civil engineer with 20 years of experience in building construction/reconstruction oversight and investigations. She regularly conducts investigations for building envelope and component analysis for walls, finishes, mechanical, plumbing, and water intrusion. She has evaluated buildings for construction defects, wood rot, tree fall damage, snow and wind damage, forces from tree roots or earth movement and acoustical concerns including noise and vibration transmission.

Ms. Evans regularly provides litigation support for a wide variety of cases.

Areas of Specialization

Industrial hygiene
Indoor air quality
Remediation/abatement plans and oversight
Safety accident investigations
Slips, trips and falls
Water quality
Building construction defects
Water intrusion
Construction site plans, training, and on-site monitoring

Education

B.S., Structural Engineering, University of Wisconsin-Milwaukee, 1973

Licenses & Certifications

Registered Professional Engineer, State of Washington, #40315
Registered Professional Engineer, State of Wisconsin, #18267
Certified Industrial Hygienist (CIH), Certificate #5767
Certified Safety Professional (CSP), Certificate #10262
AHERA Certified Asbestos Inspector and Project Designer
Certified Asbestos Supervisor, Washington Dept of Labor and Industries, #2007024137A (through 2013)
Certified Residential Plumbing Inspector, International Code Council, Certificate #5303792-P1
Certified Residential Mechanical Inspector, International Code Council, Certificate #5303792-M1

Professional Affiliations/Honors

American Industrial Hygiene Association (AIHA) - National and Pacific Northwest Section

Member
Environmental Committee
Vapor Intrusion Subcommittee

American Society for Testing and Materials (ASTM)

Member
F-13 Committee – Pedestrian/Walkway Safety and Footwear
F-50.02 Subcommittee – Environmental Assessment, Risk Management, and Corrective Action – Real Estate Assessment and Management

Selected Project Experience

Industrial Hygiene Evaluations

- 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 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.
- Evaluated structures for marijuana, methamphetamine and related contaminants and developed cleaning and restoration methods.
- Evaluated structures for smoke residues from fires within the structure or from cooking and developed restoration work plans.
- Evaluated structures for unknown odors or problematic airborne chemicals, developed corrective work plans which often involved bake-outs. Oversaw the bake-outs and conducted clearance / acceptance inspections and testing.
- Evaluated and diagnosed indoor air quality problems from the improper application of ERVs and developed corrective action plans to remove contaminants from the buildings.
- Evaluated structures for tear gas and flash-bang residues, developed remediation work plan and performed acceptance / clearance inspection.
- Evaluated residences for carbon monoxide exposure and the impact on the resident's health.
- Evaluated a residence for asbestos contamination related to improper insulation removal.
- Conducted worker exposure assessments for a variety of manufacturers.
- Evaluated water quality for compliance with drinking water standards, and biological contaminants including legionella.

Safety Evaluations

Conducted slip and fall evaluations on sidewalks, stairs, and restaurant, residence, hotel, and auto dealership floors, bathtubs and swimming pool diving boards. These may include dry, wet, snowy, icy or contaminant impacted surfaces.

Conducted assessments of stairways for conformance to applicable building codes.

Conducted ADA compliance assessments of convenience stores and restaurants.

Conducted assessments of floor cleaning methods to determine if they contribute to slips and falls.

Evaluated construction sites for conformance to safety regulations where non-construction related individuals were injured.

Evaluated work sites, where workers were injured, for conformance to safety regulations.

Evaluated temporary stairs, stages, ladders, etc. associated with theatrical related injuries.

Evaluated wheelchair lifts, automatic doors and overhead doors for compliance with applicable codes and regulations and ADA compliance.

Developed site specific safety plans and conducted compliance monitoring for a variety of projects including those with hazardous materials or work on secure military sites.

Evaluated structures for acoustical concerns including transmission of sound and vibration.

Civil Engineering

Evaluated buildings for water intrusion, air infiltration or material failure for air barriers, water barriers, stucco, EIFS, wood, cement fiber siding and other surfaces and substrates.

Evaluated condominium, apartment complexes and single structures for construction defects.

Evaluated roofs for failures due to wind, snow or ice damming, or proper ventilation.

Evaluated water flow and water drainage relative to agricultural irrigation.

Evaluated water drainage around structures related to earth or structural movement.

Evaluated structures for wood rot causation.