



INDUSTRIAL HYGIENE & OCCUPATIONAL SAFETY



ESi has a depth of scientific expertise to evaluate occupational and environmental hazards, provide occupational safety risk assessments, and assess worker exposures.

CERTIFIED AND EXPERIENCED EXPERTS

The ESi industrial hygiene team includes Certified Industrial Hygienists (CIH) who are trained to anticipate, recognize, and evaluate physical, biological, and chemical hazards and recommend the best course of action for eliminating or controlling them.

EXPOSURE ASSESSMENTS

ESi industrial hygienists can identify workplace exposure to hazardous agents, compare results to regulatory and consensus standards, and provide recommendations for eliminating or controlling exposures to:

- Chemical and physical agents
- Occupational and community sound levels
- Hazardous building materials such as lead and asbestos

Exposure Modeling

In some cases, ESi can use modeling tools to estimate past chemical exposure incidents to support or refute alleged injury and illness claims.

INDOOR AIR QUALITY

The importance of indoor air quality and adequate indoor ventilation has risen from a consideration to an imperative during the COVID 19 pandemic. ESi industrial hygienists can evaluate ventilation and offer recommendations for improvements.

Sick Building Complaints

Sick building complaints occur when occupants report health and comfort symptoms believed to be related to time spent in a building. This can include odor complaints. ESi can assist building owners and operators to investigate sick building complaints and offer recommendations for improving occupant comfort.

Mold

Water intrusion in buildings can result in microbial growth if not quickly and appropriately addressed. The ESi industrial hygiene team can evaluate and document water loss events, develop and provide oversight of remediation protocols, and evaluate the effectiveness of remediation conducted by others.

Residual Smoke Damage Assessments

Structural fires and wildfires can result in a variety of chemical contaminants, including soot, char, ash, and polycyclic aromatic hydrocarbons (PAHs) being released throughout a building or absorbed into porous contents and building materials. ESi industrial hygienists conduct fire damage assessments, develop remediation protocols, and provide remediation oversight to deliver effective restoration following fire losses.



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Contact ESi

To get in touch with the ESi industrial hygiene team, call Kathleen Lavaty, CIH, CSP, MPH, Senior Staff Consultant at 206.622.2007 or email her at kalavaty@engsys.com



INDUSTRIAL HYGIENE & OCCUPATIONAL SAFETY

OCCUPATIONAL HEALTH AND SAFETY PROGRAM SUPPORT

ESi can develop or review health and safety programs for compliance with OSHA regulations. These programs can include:

- Respiratory protection
- Fall protection
- Hearing protection
- Machine guarding
- Hazardous energy control or lockout/tagout
- Health and safety management systems
- Accident prevention programs (APP)
- Illness and injury prevention programs (IIPP)

ADVANCED TECHNOLOGY AND STATE-OF-THE-ART FACILITIES

ESi utilizes state-of-the-art instrumentation and facilities to offer testing services including chemical composition, non-destructive testing, and specialized test design and performance evaluations.

OCCUPATIONAL HEALTH AND SAFETY LITIGATION AND CLAIMS SUPPORT

ESi industrial hygienists have extensive experience conducting accident investigations and regulatory compliance guidance.

Our experts can provide opinions on occupational injury and occupational illness claims. ESi delivers fact-based testimony for third-party injury and illness claims, workers compensation appeals, and OSHA compliance issues and citations.

A COLLABORATIVE TEAM APPROACH

ESi applies a multidisciplinary approach that allows us to help with any type of industrial hygiene or occupational safety issue. Our team of engineers, scientists, chemists, and regulatory experts span dozens of specializations with a breadth of technical knowledge, hands-on expertise, and courtroom experience required to execute projects from start to finish. Our work covers all manner of engagements and can provide you with a single source investigative solution.

KEY CAPABILITIES

- Accident Investigation & Reconstruction
- Accident Prevention
- Facility Safety
- Fall Protection
- Job Safety & Ergonomics
- Lockout/Tagout Procedures
- Machine Guarding
- Multi-Employer Worksites
- Risk Assessment
- Personal Protective Equipment (PPE)
- Regulations
- Slip, Trip & Fall Assessments
- Standards Compliance & Review



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