

Michael L. Howe, CIH

Principal/Senior Consultant

Summary of Qualifications

- 30+ years delivering IH and safety support services, including industrial hygiene risk assessments, chemical exposure assessments, noise and radiation surveys, safety and health compliance audits, OSHA-VPP, and indoor air quality assessments.
- 20 years principal of Colden Corporation.
- Developed and delivered dozens of health and safety, hazard communication, fall protection and respiratory protection training programs.
- Designed numerous corporate H&S programs targeting loss prevention, risk management, and preventive care.

Professional Certifications/Associations

- American Board of Industrial Hygiene (ABIH), Certification in the Comprehensive Practice of Industrial Hygiene (CIH).
- American Conference of Governmental Industrial Hygienists (ACGIH) Member.
- American Industrial Hygiene Association (AIHA) Member.
- American Society of Safety Engineers (ASSE) Member.

Professional Highlights

COLDEN CORPORATION

Working out of Colden's Syracuse office, Mr. Howe provides client management and multidisciplinary consulting in a leadership capacity. Specializes in industrial hygiene and safety consulting to large industrial, commercial, and institutional firms.

Statewide IH and Safety Term Contract – Managing a 5-year multi-million dollar IH and safety contract for the New York Power Authority. Includes statewide facility and construction safety audits, IH database development, accident investigations, safety training, emergency fire response, IH monitoring, and asbestos-related services.

Nationwide Safety Audits – Conducted safety audits at U.S. automotive manufacturing sites as part of a team of legal and corporate governance experts tasked with providing recommendations for restructuring the health and safety organization. Following completion of seven plant visits and 185 interviews, the team delivered recommendations to the Board of Directors concerning culture and leadership, management systems, safety resources, evaluation of safety performance, and Board oversight.

OSHA-VPP Support – Managed OSHA-VPP support contract for Entergy at the James A. Fitzpatrick Nuclear Plant, Oswego, NY. Included updating safety and health programs, conducting IH risk assessments and monitoring, noise surveys, and IAQ reviews.

Corporate H&S and OSHA-VPP Support – Provided General Electric's Corporate Research and Development facility with comprehensive health and safety services with OSHA VPP program maintenance.

Preferred Vendor IH Contract – Providing a Fortune 500 specialty ceramics and glass manufacturer with IH assessments in the U.S. and Mexico, hazardous material surveys and remediation designs, and noise surveys.

As-Needed EHS Services, National Firm – Delivering since 1998 as-needed EHS services for Lockheed Martin's Syracuse, NY facility under annual service contracts. Conducted IH surveys, and construction safety audits.

Hazardous Materials Testing/Remedial Design – As a subcontractor, performed hazardous materials testing and remediation design for renovation of Nevaldine Hall at SUNY Canton. Tested for and planned remediation of lead, PCBs, mercury, heavy metals, and organic chemicals.

GALSON CORPORATION

Served as a senior member of the industrial hygiene group. Mr. Howe was responsible for ensuring that projects were completed successfully, on schedule, within budget, and in compliance with all applicable regulations. Mr. Howe successfully managed hundreds of projects supervising as many as 20 industrial hygienists and industrial hygiene technicians.

SYRACUSE UNIVERSITY

As the University's Radiation Safety Officer, Mr. Howe was responsible for implementing the day-to-day operations of the Chemical and Radiation Safety Program.

- Conducting safety audits and radiation surveys.
- Collecting and disposing of radioactive and hazardous waste.
- Providing worker safety training.
- Over-site of the respiratory protection program.

E.I. DUPONT, TOWANDA, PA

As a research chemist, Mr. Howe worked with engineers to develop methods to improve production and product quality.

- Maintained solvent recovery monitoring equipment.
- Conducted tests to evaluate worker exposures to methylene chloride.

Additional Experience

- Conducted hundreds of industrial hygiene assessments to identify chemical, physical and biological hazards in various workplaces throughout the United States. Assessments included employee exposure evaluations for compliance with OSHA Permissible Exposure Limits (PELs), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs) and other exposure limits, recommendations and assistance in implementing controls and work practices to protect employees from chemical and noise exposures. Work has been conducted for manufacturing operations, industrial clients, maintenance operations, and on construction projects.
- Conducted industrial hygiene and safety audits for nuclear and hydro-electric power plants, automobile manufacturers, defense contractors, construction contractors, and other clientele. Our observations and recommendations have helped companies to reduce accidents and injuries, reduce worker compensation claims, comply with health and safety regulations, and obtain or maintain OSHA VPP status.
- Conducted a study of carbon monoxide exposures in a warehouse. Our work helped the company comply with an OSHA request and resulted in a significant reduction of exposure through improved ventilation and new fork trucks.
- Conducted plant-wide industrial hygiene assessments for a Syracuse compressor manufacturer and a local air-conditioning manufacturer. Our findings helped the company implement engineering controls to reduce employee exposures, and to develop and implement a hearing conservation and audiometric testing program.
- Managed the cleanup of a glass manufacturer's facility contaminated with cadmium, lead, and arsenic. The successful remediation project allowed for the safe renovation of the building for use as a new materials testing facility.
- Conducted an indoor air quality study for a middle school and designed and implemented a plan to remediate amplified levels of bacteria and fungi found in the school that were contributing to the health effects being reported by staff and students.
- Assisted a Canadian firm and state regulators in the transport and storage of radioactive materials associated with explosion and drug detection equipment. With our assistance, the client was able to transport, store, and sell the equipment throughout the United States.
- Managed an \$800,000 lead-based paint survey and risk assessment for the U.S. Air Force in England, Germany, Italy, Turkey and Japan. Assessment results allowed the bases to comply with USEPA regulations for disclosing the hazards and the abatement of lead-based paint, lead-containing dusts, and lead-contaminated soil.
- Designed and monitored the removal of lead-based paint from a 250-foot tall radio tower located in a residential neighborhood and adjacent to a local waterway. Required close

coordination with state regulators. Work methods and controls that we recommended and that were followed by the contractor successfully contained the lead and avoided contamination to the adjacent properties and waterway.

- Provided awareness training for 130 employees at a metals processing plant as required by the OSHA Lead in Construction Standard, 29 CFR 1926.62.
- Identified the source of clean room contamination that was leading to the failure of circuit boards used by a computer equipment manufacturer. Our findings allowed the company to quickly correct the problem and address their customers' concerns and complaints.

Education

B.S. Chemistry, Le Moyne College (1984)