

## PROFESSIONAL RESUME

**NAME:** William F. Garvin, CIH, QEP, MBA

**TITLE:** **President/Direct Consulting Industrial Hygiene, LLC**  
**4009 Fairchase Lane; Hoover, AL 35244**

**EDUCATION:** M.B.A. – Industrial Administration; Purdue University  
M.S. - Hydrology; Oregon State University  
B.S. - Watershed Management; University of Georgia

**SPECIALIZED SERVICES:** Licensed Asbestos Inspector  
Trainer for Health and Safety Courses  
Expert Witness– Helped to develop hundreds of cases, and participated in dozens of depositions and trials

**PROFESSIONAL SERVICE:** Board of Directors – Alabama American Industrial Hygiene Association

**HOBBIES:** Fishing, Hiking

**Present Employment:**

**President/Direct Consulting Industrial Hygiene – Hoover, Alabama; August 26, 2011 to Present**

**Past Employment:**

**President/g3 Environmental & Industrial Hygiene – Hoover, Alabama; August 31, 2006 to October 31, 2013**

Responsibilities include marketing, quality control, administration, and technical work.

I am a Certified Industrial Hygienist (CIH) and a Qualified Environmental Professional (QEP). I have more than 45 years of experience in Exposure Assessment, Incident Response, Auditing and Compliance, Environmental Health and Safety (EHS) Management Systems, EHS Training, Industrial Hygiene Programs, EHS Program Maintenance, and Litigation Support. I conduct air monitoring in industrial settings to ensure air quality standards are being met. I conduct training in emergency response, health and safety, and spill control and countermeasures. I have extensive experience and training in indoor air contamination, and have developed training materials for real estate professionals, insurance investigators, and attorneys.

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**SELECTED PROFESSIONAL EXPERIENCE:**

**CERTIFIED INDUSTRIAL HYGIENIST/EXPERT WITNESS:**

Provided expert witness case development and consultation to a law firm regarding an industrial fatality at a work site. Planned and conducted sampling to determine if the facility met OSHA requirements.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Planned and Conducted Sampling at Alcrete Industries in Pell City, Alabama. Conducted air sampling for respirable silica to ensure that Occupational Exposure Limits were being met for employees.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Planned and Conducted Sampling at MacLean Power Systems in Pelham and Alabaster, Alabama. Planned and conducted combustible dust sampling to determine if the facility met OSHA requirements.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Planned and Conducted Sampling at Sonoco Reels & Plugs in Hartselle, Alabama. Conducted air sampling for respirable volatile organic compounds and respirable dust to ensure that Occupational Exposure Limits were being met for employees.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Planned and Conducted Sampling at the Opelika Wastewater Treatment Plant in Opelika, AL. Conducted air sampling to ensure that Occupational Exposure Limits were being met for employees and conducted corrosion sampling to determine if electronics and machinery were being impacted by corrosives.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Prepared Covid-19 Safety and Return-to-Work Guidelines for Large Law Firm in Birmingham, Alabama.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Prepared Covid-19 Safety Guidelines for Large Church in Birmingham, Alabama.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Conducted a methane-related inspection of the Montgomery Multi-Plex. Conducted sampling and created an action and work plan for safely making modifications and repairs to the facility.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Developed and updated Safety Data Sheets for Amerex Corporation in Trussville, AL.

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**SELECTED PROFESSIONAL EXPERIENCE (Continued):**

**CERTIFIED INDUSTRIAL HYGIENIST:**

Planned and Conducted Sampling at Gardner Asphalt in Springville, AL. Conducted air sampling and noise monitoring for workers at the facility to ensure occupational exposure goals were being met.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Planned and Conducted Sampling at Sonoco Reels and Plugs in Hartselle, AL. Conducted air sampling and noise monitoring to ensure occupational exposure goals were being met.

**EXPERT WITNESS/CASE DEVELOPMENT:**

Barnette v. International Paper (CV 2018-900728). Worked for Maynard, Cooper and Gail. Helped to develop strategy and conducted sampling, including statistical analyses of results.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Consultation with Carr Allsion concerning development of a COVID-19 back-to-work plan. Surveyed the office building and developed a back-to-work plan for the staff.

**EXPERT WITNESS/CASE DEVELOPMENT:**

Holloway v. Tower Development (CV 2018-900728). Conducted sampling and helped in developing the case.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Planned and Conducted Sampling at Wylie Laboratories in Huntsville, AL. Conducted air sampling for workers at the facility to ensure occupational exposure goals were being met.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Prepared Preliminary Site Assessment Plan, Sampling Plan, and Remediation Protocol for a clandestine methamphetamine laboratory in Dadeville, AL. Conducted sampling program. Primary goal was to ensure a safe and healthy environment during and after the remediation.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Planned and Conducted Sampling at Polaris Industries in Huntsville, AL. Conducted air sampling for workers at the facility to ensure occupational exposure goals were being met.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Planned and Conducted Air Sampling and a Ventilation Study at Vulcan Materials Headquarters in Birmingham, AL. Conducted air sampling and a ventilation study for the corporate headquarters to ensure health and safety goals were being met.

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**SELECTED PROFESSIONAL EXPERIENCE (Continued):**

**CERTIFIED INDUSTRIAL HYGIENIST:**

Planned and Conducted Silica Sampling at Hero BX in Tuscaloosa, AL. Conducted silica air sampling for workers at the facility to ensure occupational exposure goals were being met.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Planned and Conducted Sampling at KAMTEK Industries in Birmingham, AL. Conducted air sampling for workers at the facility to ensure occupational exposure goals were being met.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Planned and Conducted Sampling at Hospital (DCH) in Tuscaloosa, AL. Conducted biological sampling for viable bacteria and mold in various areas of the hospital, including operating rooms, to ensure the health and well-being of patients.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Conducted Environmentally Related Work for Boyd Brothers Transportation. Set up storm water sampling plans, prepared SPCC Plans, Best Management Practices Plans, General Permits, and conducted annual inspections at three facilities.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Planned and Conducted Sampling at Harrell's Fertilizer in Sylacauga, AL. Also surveyed the plant for hazardous situations and potential permit-required confined spaces. Sampling included metals, silica, particulates, and noise.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Prepared Project Safety Management plan for Allied Energy.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Prepared a Risk Analysis for Installation of an Ammonia, a Sulfur Dioxide and a Hydrogen Tank at Allied Energy. The project goals included determining best locations for installation to minimize risks.

**CERTIFIED INDUSTRIAL HYGIENIST/EXPERT WITNESS:**

Conducted Sampling on a Commercial Vessel to Determine Potential Health Risks to Crew Caused by Chemical and Biological Contaminants (Cunningham Bounds). Developed the sampling program and methods of sampling to ensure all potential contaminants could be assessed.

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**SELECTED PROFESSIONAL EXPERIENCE (Continued):**

**CERTIFIED INDUSTRIAL HYGIENIST:**

Planned and Conducted Sampling for Formaldehyde at DCH in Tuscaloosa, AL. Also determined ventilation rates and flows in specific areas of the hospital to ensure that regulations were being met with respect to ventilation.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Planned, Organized, and Conducted a Forensic Investigation of a Building in Which Four Workers Had Become Sick and Been Hospitalized, and One Worker had Died. Investigation included decisions on proper personal protective equipment, sampling methods, sampling locations, and decontamination.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Prepared Safety Data Sheets (SDS) for Manufacturers (Amerex and Solberg) Who Produce Chemicals or are Required to Prepare SDSs. These SDSs were prepared to meet the requirements of the Globally Harmonized System.

**CERTIFIED INDUSTRIAL HYGIENIST:** Conducted Periodic Air Sampling to Ensure Worker Safety and Health at General Dynamics; Cullman, Alabama. Air sampling was conducted mainly for beryllium, but included hexavalent chromium, nickel, chromium, various acids, and volatile organic compounds.

**CERTIFIED INDUSTRIAL HYGIENIST AND HEALTH AND SAFETY MANAGER:**

Ensured Worker Health and Safety During the Emptying of Four Above Ground Storage Tanks Containing Acid and Base Sludge at Anniston Army Depot. Determined hot zones and decontamination areas. Prepared the Health and Safety Plan for the project.

**CERTIFIED INDUSTRIAL HYGIENIST AND HEALTH AND SAFETY MANAGER:**

Ensured worker health and safety during soil sampling and analysis at the Naval Air Facility in Imperial County, California.

**CERTIFIED INDUSTRIAL HYGIENIST/EXPERT WITNESS:**

With another CIH, planned and conducted soil and other sampling as part of a forensics investigation to determine the source(s) of elevated cancer rates in specific areas of Jefferson County, Alabama.

**CERTIFIED INDUSTRIAL HYGIENIST:**

Conducted indoor air quality surveys and ventilation studies at Shelton State Community College, then made recommendations for remedying air quality problems.

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**SELECTED PROFESSIONAL EXPERIENCE (Continued):**

**CERTIFIED INDUSTRIAL HYGIENIST AND FIELD PROJECT MANAGER:** Designed Sampling Programs, then Conducted Baseline, Periodic, and Clearance Sampling During an Asbestos Abatement Project at a Post Office in Tuscaloosa, Alabama. Also ensured that the Health and Safety Plan was being followed by the asbestos workers.

**CERTIFIED INDUSTRIAL HYGIENIST AND FIELD PROJECT MANAGER:** Conducted Pre-Demolition Surveys of Twelve Buildings at Fort Sill, Oklahoma. The surveys included all hazardous materials that could impact health and the environment.

**CERTIFIED INDUSTRIAL HYGIENIST AND FIELD PROJECT MANAGER:** Designed and Managed All Aspects of a Phase II Sampling Program of a 100-Year-Old Hotel in New Mexico for the US Army Corps of Engineers. Pre-field work included preparation of a Sampling Plan, Health and Safety Plan, Accident Prevention Plan, Project Work Plan, and a Quality Control Plan. Field work included groundwater, subsurface soil, surface soil, asbestos, lead-paint, drinking water, and radon sampling, as well as a mold inspection.

**CERTIFIED INDUSTRIAL HYGIENIST:** Designed Sampling Programs, then Conducted Baseline, Periodic, and Clearance Sampling During Two Asbestos Abatement Projects at Fort Rucker, Alabama. Also ensured that the Health and Safety Plan was being followed by the asbestos workers.

**BUILDING SCIENCE/IAQ SPECIALIST:** Investigated Indoor Air Quality (IAQ) Concerns in Barracks at Fort Rucker, Alabama. The barracks were in the process of being renovated. I designed the exterior wall system that would be built, suggested changes in the supply and return duct flow patterns to increase ventilation and recommended further remediation of bioaerosol contamination.

**CERTIFIED INDUSTRIAL HYGIENIST:** Conducted Air Sampling and Noise Monitoring to Ensure Worker Safety and Health at Hausted Patient Systems; Montgomery, Alabama. Air sampling was conducted for welding fume and hexavalent chromium.

**CERTIFIED INDUSTRIAL HYGIENIST:** Conducted Air Sampling and Noise Monitoring to Ensure Worker Safety and Health at Amerex; Trussville, Alabama. Air sampling was conducted for particulates, carbon monoxide, biologicals, and silica.

**CERTIFIED INDUSTRIAL HYGIENIST:** As a subcontractor to and along with another CIH, conducted a comprehensive exposure assessment for Kennametal Tricon Metals & Services, Inc.

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**SELECTED PROFESSIONAL EXPERIENCE (Continued):**

**CERTIFIED INDUSTRIAL HYGIENIST:** Designed and Conducted Air Monitoring Survey to Determine Impact of Welding Fumes and Cutting Residue on Employees in Georgia Industry. During this project, I designed the monitoring program to reflect concentrations of welding fumes and metals in the welding area as compared to the remainder of the shop. I also included baseline air quality measurements during a period of no welding or cutting activities.

**EXPERT WITNESS:** Investigated Indoor Air Quality (IAQ), Principally Chinese Drywall, in Several Cases in Alabama. I helped the attorneys, as requested, with case development.

**EXPERT WITNESS:** Investigated Indoor Air Quality (IAQ), Principally Mold, in Several Cases in Alabama. I helped the attorneys, as requested, with case development. As an expert witness, I have been deposed several times, and often have been an expert witness in court.

**EXPERT WITNESS:** Investigated Groundwater Contamination from Underground Storage Tanks for Plaintiff's Attorneys. Discovered that the groundwater had been contaminated from the leakage.

**EXPERT WITNESS:** Investigated Potential of Asbestos Contamination in Soil and Buildings Associated with a Manufacturer. This work included statistically random soil sampling, and bulk and air sampling in an office building.

**EXPERT WITNESS:** Investigated Air Quality in a Paint Mixing Facility to determine if OSHA Permissible Exposure Limits were being met for workers. I helped the attorneys with case development.

**PROJECT MANAGER:** Compliance Audits for Boyd Brothers Transportation Company with Offices in Six States and Birmingham Coca-Cola Bottling Company with Offices in Five States. Conducted audits to ensure compliance with state and Federal environmental, safety and health regulations.

**PROJECT MANAGER:** Emergency Response Plans (ERPs). Prepared specific ERPs for clients. ERPs included pre-emergency planning, coordination with outside parties, personal protective equipment requirements, and emergency response equipment needs. ERP follow-up included training in First Responder Awareness and Operations, as well as Hazardous Materials Technician training.