

PROFESSIONAL RESUME

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

TITLE: **Partner/Direct Consulting Industrial Hygiene, LLC**
70 Cherokee Lane; Pell City, AL 35242

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

SPECIALIZED SERVICES: OSHA 40-Hour Health and Safety Trainer
OSHA Approved Trainer for 10 & 30 Hour General Industry
Licensed Asbestos Inspector
Trainer for Health and Safety Courses
Conducts Indoor and Personal Air Sampling
Certified Industrial Hygienist
Expert Witness for Attorneys – Helped to develop hundreds of cases, and participated in dozens of depositions and trials

HOBBIES: Golf, Backpacking, Hiking

Present Employment:

Partner/Direct Consulting Industrial Hygiene – Pell City, 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:

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:

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:

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

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.

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SELECTED PROFESSIONAL EXPERIENCE (Continued):

CERTIFIED INDUSTRIAL HYGIENIST: Conduct Monthly Air Sampling and Noise Monitoring to Ensure Worker Safety and Health at General Dynamics; Cullman, Alabama. Air sampling is conducted mainly for beryllium, but includes 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.

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.

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SELECTED PROFESSIONAL EXPERIENCE (Continued):

PROJECT MANAGER:

Planned, Conducted, and Wrote Stormwater Pollution Prevention Plans for Three Facilities and a Spill Prevention, Control, and Countermeasures Plan for One Facility for Boyd Brothers Transportation, Inc. Included training programs for spill prevention, emergency response, stormwater, and material handling.

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.

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.

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SELECTED PROFESSIONAL EXPERIENCE (Continued):

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 have been an expert witness in court twice.

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 soil contamination in residential areas originating from industrial pollutants in Alabama.

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.

PROJECT MANAGER: Development and Management Of Phase I, II, And III Environmental Site Assessments. Conducted large number of Phase I and II Environmental Site Assessments for buyers, sellers, and lenders. As required for remediation, conducted several Phase III Environmental Site Assessments to meet client's goals for remediation.

PROJECT MANAGER AND DEVELOPER: Designed and Developed Optimization Program for Specific Resource Management for Large Corporate Client. Designed, developed, and implemented a linear program for optimum management of a specific resource. The goal of the program was to minimize costs under the constraints of spending no more than \$100,000.00 annually and concurrently meet all state and federal regulatory requirements.