

## **SHAUN ANTHONY CRAWFORD, PhD, CIH**

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2213 Marion St., Birmingham AL 35226    (205) 907-0565

### **EXPERIENCE**

Principal Scientist, Environmental Health & Engineering, Inc.

Owner, CRAWSA Environment and Health, LLC

Health Assessor, ATSDR, Florida Department of Health

Director of Environmental Sciences, HAZCLEAN, Inc.

Environmental Scientist, ATEC & Associates, Inc.

### **ACADEMIC INSTRUCTION**

Faculty Instructor      Department. of Environmental Health Sciences, University of Alabama at  
Birmingham, Graduate - Industrial Hygiene Program

Assessment and Management of Environmental Risk, ENH 612

Fundamentals of Occupational Safety, ENH 670

Industrial Hygiene Case Studies, ENH 625

Interdisciplinary Field Studies, ENH 680 / ENH 681

Fundamentals of Industrial Hygiene, ENH 621

Control of Occupational Hazards, ENH 624

Physical Agents, ENH 626

Environmental Sampling and Analysis Laboratory, ENH 661

Faculty Instructor      Urban Environmental Studies, Birmingham-Southern College, Birmingham, AL  
Undergraduate - UES Program

Environmental Earth Sciences, UES 160

Environmental Problems and Policy, UES/PS 210

Industrial Ecology and Sustainable Engineering, UES 206

Faculty Instructor      Department of Biological Sciences, Samford University, Birmingham, AL  
Graduate - Environmental Management Masters Program

Environmental Health, PHLT 503

Environmental Toxicology, ENVM 508

Risk Assessment, ENVM 506

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### **EDUCATION**

PhD Industrial Hygiene/Environmental Health, University of Alabama at Birmingham (UAB)

MSPH Industrial Hygiene/Environmental Engineering, UAB

BA Biology/Ecology, Washington & Lee University

### **PROFESSIONAL AFFILIATIONS, CERTIFICATIONS AND TRAINING**

American Board of Industrial Hygiene Certified Industrial Hygienist (9552CP)

Member: AIHA, ACGIH, ASTM

OSHA Hazardous Materials Handling and Sampling Program (40 hour)

OSHA HAZWOPER Supervisors Course (8 hour)

OSHA General Industry Safety and Health (10-hour) #700353476

Integrated Systems Safety - Fall Protection Certificate 12-320-10

Industrial Ventilation - Special Gases

AHERA Asbestos Inspector Training Course

Lead Paint Hazards and Inspection Course

### **PUBLICATIONS**

Crawford S, Lungu, C, 2013, Application and limitations of a mass transfer VOC emission model for a dry building material. Atmospheric Environment; 81: 25-31.

Crawford S, Lungu C, 2011, Influence of temperature on styrene emission from a vinyl ester resin thermoset composite material. Science of the Total Environment; 409: 3403-3408.

Balanay J, Crawford S, Lungu C, 2011; Comparison of toluene adsorption among granular activated carbon and different types of activated carbon fibers (ACFs). Journal of Occupational and Environmental Hygiene; 8(10): 573-579.

Shapiro N, James J, Barry L, Crawford S, Pusatier, J. Henderson, A. Logsdon, T. Hogenkamp, J. Gentile, T. 2022, Refining Relationships: How an Unlikely Community–Scientist Partnership Led to a Historic Environmental Justice Victory. Environmental Justice. 16. 10.1089/env.2022.0018.

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### PROFESSIONAL EXPERIENCE

Dr. Crawford leads multidisciplinary teams to solve a broad range of industrial hygiene (IH) and environmental challenges for clients across multiple sectors. He is an expert in exposure assessment, environmental controls, and indoor environmental quality (IEQ) issues. Besides having extensive experience with regulatory compliance, risk assessment, and risk communication, Dr. Crawford has expertise in a broad range of environmental and health disciplines, including:

Assessments of both indoor and outdoor air exposures to gases/vapors (VOC/SVOC/PCBs/Radon) and particulate matter (PM), working for media outlets, municipalities, attorneys, businesses, and single and multi-family residential property owners.

Phase I (assessment), Phase II (sampling) and Phase III (remediation) projects for banks, businesses, and corporate real estate transactions.

Compliance inspections for environmental and safety hazards related to state environmental, USEPA, OSHA, NFPA, NEC and API regulations, for federal agencies, municipalities, businesses, and corporations.

Industrial hygiene assessments for employee exposure to gases, vapors, particulates, and noise, including the use of direct reading instruments and collection on active and passive sampling media for compliance with OSHA and corporate safety programs, including compliance with NIOSH standards.

Experienced in sampling, characterization and segregation of characteristic and listed hazardous wastes including VSQG, SQG and LQG determinations, waste profiling, handling, and storage requirements.

Participation in numerous large-scale remediation projects including both removal of soil and treatment of groundwater through both active and passive technologies.

Trainer for HAZWOPER modules, OSHA 510 Noise and Respiratory Protection, Respirator Fit Testing, EPA-approved Sampling Methodology (Air/Water/Soil) and provider of Toolbox talks for safety, consultants, health departments, volunteers, students, and subcontractors.

Expert witness support for plaintiff and defendant trial preparation and testimony.

Dr. Crawford serves as a pro-bono technical and scientific advisor to Black Warrior Riverkeeper, Cahaba Riverkeeper, Coosa Riverkeeper, and Citizen Science Community Resources, Inc.

He served as Senior Member and former Deputy Commander of Cadets in the U.S. Air Force Auxiliary Civil Air Patrol.