

**Curriculum Vitae of  
STEVEN D. PARKHURST, MS, CIH, CSP, CIEC, CFSC, CETC, LMA**

June 17, 2021

**I. General Information:**

A. POSITION:

Principal Environmental Scientist/Owner & Founder  
Advanced Building Forensics, Inc.  
14383 Pine Hollow Drive  
Estero, FL 33928  
Phones: 239/676-1104 w  
239/220-6190 c  
Email: [sparkhurst@advbldg4.com](mailto:sparkhurst@advbldg4.com)  
Website: [www.advbldg4.com](http://www.advbldg4.com)

**II. Professional Summary:**

A. EDUCATION:

Bachelor of Science (BS), Biology  
University of Cincinnati  
Cincinnati, Ohio, 1979

Master of Science (MS), Environmental Science emphasis in Industrial Hygiene,  
College of Medicine, Kettering Laboratories  
University of Cincinnati  
Cincinnati, Ohio, 1987

B. EXPERIENCE:

**Principal Environmental Scientist/Owner & Founder**  
Advanced Building Forensics, Estero, FL  
September 2007 to Present

Expert witness litigation support; conducts microbial, industrial hygiene and indoor air quality, smoke and fire damage; and building science field investigations for the purpose of legal case development and insurance claim adjudication. Provides expert opinions regarding the conducive nature of individual chemical and biological exposures, OSHA compliance and water damage of commercial and residential properties. Develops mold remediation protocols and performs microbial assessments in accordance with FL Mold Regulations. Corrosive drywall and Indoor Air Quality expert. Water damage and mold expert through eight named Hurricanes. Asbestos exposure expert.

**Vice President/Sr. Environmental Scientist**

Clean Air Inspections, Estero, FL

March 2006 to September 2007

Lead team of scientists on environmental forensic investigations of 20 high-rise hurricane impacted commercial and residential buildings. Oversaw all technical and litigation support activities advising clients on scientific issues impinging on their cases. Responsible for managing field personnel in all facets of environmental projects. Aided in new client development. Reviewed technical issues for new product development and provided marketing and advertising recommendations.

**Principal Scientist, Owner & Founder**

Environmental Diagnostics, Inc., Chicago, IL

September 1989 to March 2006

Expert witness litigation support; conducts microbial and chemical field investigations for the purpose of legal case development and insurance claim adjudication. Provided expert opinions regarding the conducive nature of individual exposures and water impact of commercial and residential properties.

Responsible for management of projects and cases involving industrial hygiene; microbiological assessment and remediation; expert witness; chemical exposure assessments including isocyanates; indoor air quality studies, warning labels and MSDS development and compliance; asbestos project design, oversight, inspection and air sampling; UST management, HAZWOPER site safety and health plans; ambient air monitoring of hazardous waste sites and off-gassing of sanitary landfills; safe haven analysis; odor detection; safety audits; air emission permits; waste anesthesia gas detection, safety program development and review; ventilation system evaluation; and noise studies, hearing conservation programs, and community noise evaluations. Employee training regarding hazardous waste operations.

**Project Consultant**

Occusafe, Inc., Chicago, IL

August 1987 to September 1989

Lead teams of industrial hygienists on field inspections of buildings involved with nation's largest asbestos litigation class action suit. Over 200 high rise and commercial structures inspected and sampled (air and bulk). Responsible for conducting a broad spectrum of industrial hygiene surveys and safety audits. Performed ergonomic evaluations of office workstations and assembly lines. Developed HAZCOM programs, audits for flammable and combustible solvents, and asbestos project design, management, inspection and air sampling.

### **Environmental Health and Safety Manager**

Richard Klinger, Inc., Sidney, OH

May 1985 to August 1987

Fully responsible for development of corporate environmental, industrial hygiene and safety policies at an asbestos gasket manufacturing plant. Advised executive offices of potential environmental and safety issues related to new product development. Developed sampling strategies and conducted industrial hygiene studies for detection of asbestos fibers. Developed and implemented HAZCOM program including labeling, MSDSs and employee training.

### **Industrial Hygienist III**

Industrial Commission of Ohio, Bureau of Workers Compensation

June 1979 to May 1985

Performed over 500 industrial hygiene studies for automotive, food processing, foundries, microelectronics, chemical manufacturers, metal fabricators, heavy equipment, health care facilities, printing, pesticide producers, plating operations and paint applications including isocyanates. Also performed occupational disease investigations for determination of whether a particular claim could be supported by environmental factors observed in the workplace.

### **III. Professional Affiliations:**

American Indoor Air Quality Council (1992-2006)

American Conference of Governmental Industrial Hygienists (1981-2015)

American Industrial Hygiene Association (1984-Present)

American Board of Industrial Hygiene (1987-Present)

American Academy of Industrial Hygiene (1987-1998)

American Society of Safety Engineers (1992-2008)

Board of Certified Safety Professionals (1993-Present)

American Hospital Association (1995-1998)

American Society of Heating, Refrigeration, and Air Conditioning  
Engineers (1996-1998)

American Council for Accredited Certification (2006 to Present)

Indoor Air Quality Association (2002 to Present)

ASTM Participating Member (2006)

### **IV. Certifications and Professional Licenses:**

Certified Industrial Hygienist (CIH), American Board of Industrial Hygiene, Certification No. 2915, Comprehensive Practice, (1985-Present).

Certified Safety Professional (CSP), Board of Certified Safety Professionals, Certification No. 11502, Comprehensive Practice (1991-Present).

Licensed Industrial Hygienist (LIH), Illinois EPA, Lic. No. 00198, (1999-2004).

Industrial Hygienist in Training (IHIT), American Board of Industrial Hygiene, (1982-1985).

Certified Indoor Air Quality Consultant (CIAQC), American Indoor Air Quality Council, Certification No. 444 (2002-2009).

Council-Certified Environmental Thermography Consultant (CETC), American Council for Accredited Certification, Certificate No. 1012017; (2010-Present).

Council-Certified Indoor Environmental Consultant (CIEC), American Council for Accredited Certification, Certificate No. 0512065; (2009-Present).

Council-Certified Fire & Smoke Damage Consultant (CFSC), American Council for Accredited Certification, Certificate No. 2106020; (2021-Present).

Licensed Mold Assessor (LMA), Dept. of Business and Professional Regulation, State of Florida, Lic. No. MRSA48; (2010-Present).

Asbestos Project Designer, Illinois Dept. of Public Health, Lic. No. 100-0294, (1988-1997, 1999-2002).

Asbestos Air Sampling Professional, Illinois Dept. of Public Health, Lic. No. 100-0294, (1988-1997, 1999-2002).

Asbestos Building Inspector, Illinois Dept. of Public Health, Lic. No. 100-0294, (1988-1997, 1999-2002).

Asbestos Contractor Supervisor, Illinois Dept. of Public Health, Lic. No. 100-0294, (1988-1997).

Asbestos Management Planner, Illinois Dept. of Public Health, Lic. No. 100-0294, (1988-1997).

Asbestos Hazard Evaluation Specialist, Ohio Dept. of Health, Certificate No. 3702, (1988-1993).

Asbestos Hazard Abatement Specialist, Ohio Dept. of Health, Certificate No. 22486, (1988-1993).

## **V. Theses, Publications, Papers and Presentations:**

A Longitudinal Field Study of Airborne Fiber Levels during Asbestos and Non-asbestos Sheet Gasket Manufacturing, Thesis, University of Cincinnati; 1987.

“Ambient Air Monitoring during Manufactured Gas Plant Soil Remediation”, Poster Session, AIHA Conference, Atlanta, Georgia; 1998.

“Hospital Operating Room Air Quality Investigation”, Poster Session, AIHA Conference, Atlanta, Georgia; 1998.

“Dangers in the OR - Nitrous Oxide Exposure in Operating Rooms”, Compliance Magazine; 1998.

“Mold Litigation Strategies”, Chicago Bar Association, Web Cast; January 2003.

“The Golden Rule: Perils of Comparing Inside and Outside Fungal Concentrations,” Columns – Mold, Harris Martin Publishing, Oct. 2003, Vol. 2, No. 12; pp. 58-60.

“ERMI – A Powerful Mold Diagnostic Tool,” Columns – Mold, Harris Martin Publishing, September 2007; pp. 4-5, 28-29.

“ERMI – The Beginning of a New Environmental Diagnostics Era?”, Columns – Mold, Harris Martin Publishing, October 2007.

“Beyond ERMI – Can ERMI Be Improved?”, *The Synergist*, AIHA, Vol. 20, No. 2, February 2009; pp. 36-38.

## **VI. Committees:**

ASTM D22.08 Mold Inspection and Analysis Committee Member, 2006.

## **VII. Seminars and Courses Attended:**

Hazard Recognition Education Program, Industrial Commission of Ohio, Division of Safety and Hygiene, July 13-18, 1979.

Understanding Respiratory Protection, American Industrial Hygiene Association, November 19-21, 1979.

Industrial Hygiene Measurements, University of Cincinnati, Institute of Environmental Health, September 10-20, 1979.

Industrial Hygiene Engineering, US Dept. of Health Education & Welfare, NIOSH, June 9-20, 1980.

Industrial Hygiene Chemistry, University of Cincinnati, Institute of Environmental Health, October 13-17, 1980.

Noise Control Engineering, University of Cincinnati, Institute of Environmental Health, February 17-20, 1981.

A Comprehensive Review for Industrial Hygiene Professionals, University of Cincinnati, Institute of Environmental Health, May 10-14, 1982.

Principles and Practice of Industrial Toxicology, Wayne State University, College of Pharmacy and Allied Health Professions, October 16-20, 1983.

Industrial Hygiene Comprehensive Review Course, Midwest Institute for Occupational Health and Safety, 1984.

Implementing the Hazard Communication Standard, University of Cincinnati, College of Medicine, December 4, 1985.

Sampling and Evaluating Airborne Asbestos Dust, NIOSH 582, Environmental Diagnostics, Inc., March 21, 1992; Cert. No. 00101.

Indoor Air Pollution, University of Illinois at Chicago, IL Occupational Health and Safety Education Resource Center, January, 21, 1994.

Landing Zone Preparation Course, Midwest Medflight, October 28, 1994.

Asbestos Inspector (Initial Training Course), Environmental Institute, February 10, 1988; Cert. No. 7094.

Asbestos Management Planner (Initial Training Course), Environmental Institute, February 12, 1988; Cert. No. 7068.

Practices and Procedures in Asbestos Control (Initial Training Course), University of Illinois at Chicago, Midwest Asbestos Information Center, December 1-3, 1987; Cert. No. 1519.

HAZWOPER 40-Hour Site Worker Training (Initial Training Course), Patrick Harmon & Associates, August 12-17, 1990; Cert. No. 817900001.

All Ohio Safety Congress & Exhibit, Bureau of Worker's Compensation, Division of Safety and Hygiene; attendance in 1980-1985.

American Industrial Hygiene Conference & Exposition, sponsored by AIHA; attendance in 1985-1990, 1992-1999.

Certified Indoor Air Quality Professional Review Class, American IAQ Council, June 12-14, 2002.

Indoor Air Quality Association 2002 Conference, Training and Certification Forum, September 29 to October 2, 2002; Orlando, Florida.

Mold Litigation: Beyond the Basics Conference, Harris Martin Publishing, October 10-11, 2002; San Antonio, Texas.

Indoor Air Quality Association 2003 Conference, New Era of IAQ Standards and Regulations, October 1-4, 2003; Chicago, Illinois.

Florida Inter-County IAQ Council, 3<sup>rd</sup> Annual Open House, April 28, 2006.

AIHce 2006 Conference + Vent, Reaching New Heights, May 15-18, 2006; Chicago, Illinois.

Indoor Air Quality Association 2008 11<sup>th</sup> Annual Meeting & Exposition, June 12-14, 2008; Tampa, Florida.

Infrared Thermography Level 1 Training, Infrared Training Center, May 12-15, 2009; Oakbrook, IL.

Indoor Air Quality Association, 2010 13th Annual Meeting & Exposition, March 7-9, 2010; Tampa, Florida.

Indoor Air Quality Association, "Anti-Microbial Use," IAQA Webinar; December 16, 2011.

Fundamentals of Infection Control in Health Care Facilities as it Pertains to ICRA/PCRA, The Linders Health Institute; M. Linders. St. Mary, Fl, January 26-27, 2012.

Bacteria: Evaluating Exposure and Health Risks; EMLab Webinar, Harriet Burge, February 15, 2012.

Indoor Air Quality Association 2012, 15th Annual Meeting & Exposition, March 5-7, 2012; Las Vegas, NV.

Indoor Air Quality Association 2013, 16th Annual Meeting & Exposition, February 26 to March 1, 2013; Orlando, FL.

Fire and Smoke Damage Investigations and Testing Options for Combustion By-Products; E. Mirica, EMSL Webinar; October 24, 2013.

Indoor Air Quality Association 2014, 17<sup>th</sup> Annual Meeting & Exposition, March 17-19, 2014; Nashville, TN.

Indoor Sciences, Certified Microbial Investigator Prep Course, 24 hours; completed July 21, 2014.

Indoor Air Quality Association 2015, 18<sup>th</sup> Annual Meeting & Exposition, March 16-18, 2015; Grapevine, TX

Indoor Air Quality Association 2016, 19<sup>th</sup> Annual Meeting & Exposition, January 24-27, 2016; Orlando, FL

Indoor Air Quality Association 2017, 20<sup>th</sup> Annual Meeting & Exposition, January 30-February 1, 2017; Las Vegas, NV

Indoor Air Quality Association 2019, 21<sup>th</sup> Annual Meeting & Exposition, January 14-16, 2016; Atlanta, GA

Indoor Air Quality Association 2020, Annual Meeting & Exposition, February 19-21, 2020; West Palm Beach, FL

Indoor Air Quality Association 2021, Annual Meeting & Exposition, February 15-18, 2021; Virtual - Zoom

**VIII. Patents:**

*Wall Cavity Evacuation System for Chinese Drywall*, Provisional Patent; Application No. 61/269,121, July 2009.



**IX. Litigation & Claim Projects (Last 5 years):**

*\* Party holding ABF's contract*

<b>Contract No.</b>	<b>Case Name (Type)</b>	<b>Service</b>	<b>Date</b>	<b>Venue</b>	<b>Case/Claim No.</b>
407598	Trolla* v. American Traditions Insurance (Water Impact)	File Review Opinion Report	07/22/14	Circuit Court of the 29 <sup>th</sup> Judicial Circuit, In and For Lee County, FL	Case No. 13CA 001018
304490	Miller v. Sawgrass Mutual Insurance* (Fire)	Field Study Opinion Report Deposition	07/14/14	Circuit Court of the 11 <sup>th</sup> Judicial Circuit In and For Miami-Dade County, FL	Case No. 14002678 CA 04
404579	Reidlinger v. Home Depot* (IAQ/Mold)	Field Study Opinion Report	06/16/14	Pre-Litigation Miami, FL	NA
502567	Fowler* v. BCB Homes, Inc. (IAQ/HVAC)	Field Study Opinion Report	05/13/15	Pre-Litigation Naples, FL	NA
510802	Holobowski v. JR Woods* (Water Impact/Mold)	File Review Site Visit	10/19/15	Pre-Litigation Naples, FL	NA
504684	Stihl Products* (Asbestos)	Field Study Opinion Report	04/02/15	Pre-Litigation Norfolk, VA	NA
610106	Blakeley v. Livorsi* (Water Impact/Mold)	Site Walk-thru Deposition Bench Trial	08/07/18	In the Circuit Court of the 20th Judicial Circuit in and for Lee County, FL	Case No. 14-CA-002835
604947	Keese v. Advance Auto Parts, Carquest* (Microbial/Metals)	Site Inspection File Review	02/01/16	State of Florida, Div of Admin Hearings, Office of the Judges of Compensation Claims	OJCC No. 18-000026NSW
601852	Thurling* v. Richardson Homes Inc. (Water Impact, Mold)	Field Studies Opinion Report	01/06/16	Lee County Circuit Court Ft Myers, FL	Case No. 16-CA-1963
611131	Horstenkamp v. Bruno Air Conditioning LLC* (Mold)	Case Review Deposition Trial Testimony	05/23/19	In the Circuit Court of the 20th Judicial Circuit in and for Collier County, FL	Case No. 2016-CA-00347
703202	Rice* v. Mabry Brothers (Water damage/Mold)	Field Study Opinion Report Deposition	03/10/17	In the Circuit Court of the 20 <sup>th</sup> Judicial in and for Lee County, FL	Case No. 16-CA-3822
705250	Herrera v. Perez* (CDW)	Field Study Opinion Report	08/02/17	Pre-Litigation Coral Gables, FL	NA
710307	Pagliara v. Brown* (Mold)	Field Study Opinion Report Deposition	10/12/17	In the Circuit Court of the 20 <sup>th</sup> Judicial Circuit, Collier County, FL	Case No. 13-3285-CA
709288	Turco v. Stock Development LLC* (Water Impact/Mold)	Field Studies Opinion Reports Deposition Hearing	07/13/18	In the Circuit Court of the 20 <sup>th</sup> Judicial Circuit, Collier County, FL	Case No. 17-CA-2041
711129	Clausen* v. Crowther Roofing (Fire, Water/Mold)	Field Studies Opinion Reports Deposition	07/10/18	In the Circuit Court of the 20th Judicial Circuit, Collier County, FL	Case No. 15-CA-1891

801150	Hideaway Beach Club, Marco Island, FL (Water Damage, Mold)	Field Study Opinion Report Testimony	01/07/18	Claim Appraisal	NA
802162	Simons* v. Tekram Services, LLC (Water Impact/Mold)	Field Study Opinion Report	2/12/19	Lee County Circuit Court Ft Myers, FL	Case No. 18-CA-1373
809224	St. Katherine Greek Orthodox Church* (Water damage/ Mold)	Field Studies Opinion Report Testimony	9/21/18	Claim Appraisal	NA
812248	Johnston* v. Goldin Solar (Water Damage/Mold)	Field Studies Expert Testimony	06/04/19	Arbitration	NA
901258	Ingram v. Johnson & Johnson* (Talc/Asbestos)	File Review Draft Report Pending	04/30/19	Pre-Litigation St. Louis, MO (Class Action)	Cause No. 1522- CC10417-01
905290	Vahlsing*, Naples, FL (Water damage/mold)	Field Studies Opinion Report	05/29/19	Claim Pre-Litigation	TBD
906301	Stockinger* v. Toyota Motor Sales (Mold/MVOCs)	File Review Opinion Report Deposition	10/01/19	US District Court Central District of California (Class Action)	Case No. 17-cv-00035- VAP-KS
909305	Newman* v. American Home Assurance Co. (Water Damage/ Mold)	File Review Field Study Hearing	10/28/19	Arbitration	Claim No. 00575816
909323	Wenz* v. Conditioned Air (Water Damage/ Mold)	Field Studies File Review	9/25/19	Claim Litigation Support Pending	FEAIC# 19080023
911343	Tom Golisano Field House, Ave Maria University* (Water Damage/Mold)	Field Studies	11/11/19	Claim Litigation Support Pending	TBD
912354	CFM Laurel Pointe Apt*, Jacksonville, FL (Fire/FVOC)	Field Studies Opinion Report Testimony	12/29/19	Claim	Appraisal
001360	Royal York Apt*, Columbus, OH (Fire, ACM)	Field Study Opinion Report	01/14/20	Claim	Pending
001415	Savianeso, Zachara v. STIHL Inc.* (Asbestos)	File Review	3/26/20	Retained	Pending
001354	Yuz <i>et. al.</i> v. Batmasian* (Mold/Water Damage)	File Review Deposition	7/29/20	Circuit Court of the 15 <sup>th</sup> Judicial Circuit, Palm Beach County, FL	Case No. 502017-CA- 2812XXXXMB
003367	Hampton Inn*, Quincy, FL (Water Damage/Mold)	Field Study Opinion Report Testimony	03/04/20	Claim	Appraisal
007390	McClellan* v. QBE Specialty Ins (Fire, Water, FVOC)	Field Study Opinion Report	07/13/20	Claim	Claim No. QSN5079100

007392	Divieto Restaurante*, v. ICAT Insurance (Fire, Water damage)	Field Study Opinion Report	07/23/20	Claim	Claim No. V-0000023873
009403	Adams Place Condominiums*, Tallahassee, FL (Fire, Water damage)	Field Study Opinion Report	09/28/20	Claim	Pending
012428	Dykoff*, Grand Lake, CO v. State Farm (Fire)	Field Study Opinion Report	12/24/20	Claim	Claim No. 06-12S8-46F
010407	Cardenas <i>et. al*</i> v. Toyota Motor Sales (Mold/MVOCs)	File Review Field Studies	02/5/20	Deposition	Case No. 18-cv-22798
101429	Shore*, Ft. Lauderdale, FL v. AIG (Water damage)	File Review Field Study Opinion Report	01/21/21	Claim Pre-Litigation Support	Pending
102432	Napleton*, Ocean Ridge, FL v. AIG (Fire, Water damage)	File Review Field Study Opinion Report	02/02/21	Claim Pre-Litigation Support	Claim No. 80122779
103433	Naranja Lakes Condominiums* v. Lexington Ins Co. (Fire, Water damage)	File Review Field Study Opinion Report	03/18/21	Claim Pre-Litigation Support	Claim No. CH201460