



W. LEE CAPELL, CIE

Environmental Consultant

W. Lee Capell, Founding Shareholder of Applied Building Sciences, Inc., founded the company to help businesses, governmental agencies, insurance companies, investors, and individual property owners in the identification and assessment of indoor environmental hazards. His experience includes asbestos surveys, asbestos air monitoring, asbestos project designs, lead-based paint sampling, chemical air monitoring, and IAQ investigations. Mr. Capell provides environmental consulting services to a variety of clients including, school districts, state agencies, major insurance companies and law firms. Recent projects include asbestos, lead, bioaerosol monitoring, and the identification of fungal (mold) contamination sites in schools, buildings, and homes. Mr. Capell has also provided mold related services, including investigations, project specifications, and/or supervision for mold remediation throughout South Carolina for schools, health care facilities, and the South Carolina Governor's Mansion.

W. Lee Capell is also a decorated United States Navy F-14 fighter pilot. He served his country for nine years, including flying combat missions during Operation Desert Storm.

Education

- Bachelor of Science in Chemical Engineering, The University of South Carolina, 1984
- Mold Remediation: The National Quest for Uniformity Symposium – Orlando, FL
- Assessment and Remediation of Mold in Buildings – MEHRC, Baltimore, MD
- IAQ Diagnostics: Hands on Assessment of Building Ventilation and Pollutant Transport - University of Tulsa
- Orientation to Indoor Air Quality - University of Tulsa and The Environmental Protection Agency
- Lead Based Paint Inspection - Medical University of South Carolina
- Lead Based Paint Risk Assessment - Medical University of South Carolina

Previous Experience

- **ABS**, 2004 - Present
- Owner/President **ESE, Inc.**, 1995 – 2004
- United States Navy, 1986 – 1995
- SC Department of Health and Environmental Control, 1984 – 1986

Professional Organizations

- ACGIH
- Indoor Air Quality Association

Registration

- Certified Indoor Environmentalist (CIE)
- Fundamentals of Engineering – Passed
- Licensed Asbestos Project Designer
- Licensed Asbestos Building Inspector
- Licensed Asbestos Management Planner
- Licensed Asbestos Air Monitor

Professional

- Adjunct Professor for the PEHS at MUSC
- Developed and taught IAQ Course for Midlands Technical College
- 11th Southern States Annual Environmental Conference – Guest Speaker on Mold Remediation
- Assisted in Development and Teach “Introduction to IAQ Course for The Medical University of South Carolina”
- Assisted in Development and Teach “Mold Remediation Course for The Medical University of South Carolina”

- Currently assisting SC Governor's Office, Office of Economic Opportunity, develop mold safety and awareness training for Weatherization Assistance Program, as required by the US Department of Energy.

PRINCIPAL AREAS OF PRACTICE

- Asbestos
- Indoor Air Quality Investigations
- AHERA
- Mold Investigations
- Mold Remediation
- Lead-based Paint
- Environmental Site Assessments
- Air Monitoring

Asbestos

- Asbestos Air Monitoring at elementary school, West Columbia, SC
- Asbestos Air Monitoring, Saint Paul Lutheran Church, Columbia, SC
- Bid procurement and project coordination for asbestos abatement at three State Parks in South Carolina.
- Asbestos survey for chemical holding tanks and chemical manufacturing facility, Columbia, SC
- Asbestos survey and abatement coordination at elementary school, Florence, SC
- Asbestos survey at two buildings for the South Carolina Dept. of Disabilities and Special Needs, Columbia, SC
- Asbestos survey, project design, and air monitoring for high school, Columbia, SC
- Asbestos survey, project design, bid procurement, and air monitoring for high school, Columbia, SC
- Asbestos air monitoring at high school, Columbia, SC
- Asbestos survey at two facilities for the State of South Carolina
- Asbestos survey for restaurant, Columbia, SC
- Asbestos survey for burned apartments, Columbia, SC

- Roof asbestos survey for SC Dept. of Disabilities & Special Needs, Summerville, SC
- Asbestos survey at two facilities for SC Dept. of Disabilities & Special Needs, Clinton, SC
- Asbestos survey for abandoned furniture store, Columbia, SC
- Asbestos survey for 13 buildings at state park in South Carolina
- Asbestos survey and project design for contaminated soil, Clinton, SC
- Asbestos survey for physical plant building, Summerville, SC

Indoor Air Quality Investigations

- Visual investigation of HVAC system, bioaerosol monitoring, IAQ monitoring, and material sampling at a pulmonary and critical care facility, West Columbia, SC
- Visual investigation of HVAC system, bioaerosol monitoring, IAQ Monitoring, and material sampling at an outpatient surgery center, Columbia, SC
- Visual investigation of HVAC system and bioaerosol monitoring at a doctors' office, Gilbert, SC
- IAQ Investigation for numerous schools in South Carolina
- Visual investigation of HVAC system, bioaerosol monitoring, IAQ monitoring and material sampling at law enforcement center, Columbia, SC
- Material sampling for benzyl benzoate at house in NC
- Visual investigation of HVAC system, bioaerosol monitoring, IAQ monitoring and material sampling at mortgage company, Columbia, SC
- Investigation for odor complaints in State building, Columbia, SC

AHERA

- AHERA three year re-inspection, Kershaw County School District
- AHERA three year re-inspection, School District 5 of Lexington and Richland Counties.

- AHERA three year re-inspection, Pickens County School District
- AHERA three year re-inspection, Calhoun County School District
- AHERA three year re-inspection, Florence Public School District One
- AHERA six month periodic surveillance, The School District of Pickens County

Mold Investigations

- Investigation of 13 story hotel and convention center – Daytona Beach, Fl
- Investigation for fungal contamination in crawlspace – Myrtle Beach, SC
- Visual investigation of HVAC system, bioaerosol monitoring and material sampling at SC State Museum, Columbia, SC
- Visual investigation of HVAC system, bioaerosol monitoring and material sampling at numerous schools in South Carolina
- Visual investigation and material sampling in house, Clover, SC
- Visual investigation of HVAC system, bioaerosol monitoring and material sampling at retail store, Columbia, SC
- Visual investigation of HVAC system, bioaerosol monitoring and material sampling at law enforcement center, Marion, SC
- Visual investigation of HVAC system and material sampling at university, Greenville, SC
- Visual investigation and material sampling at three condominium complexes, Myrtle Beach, SC
- Visual investigation for fungal contamination at house, Columbia, SC
- Investigation and sampling for fungal contamination in house, Nashville, TN
- Visual investigation for fungal contamination at house, Greenville, SC
- Visual investigation of HVAC system, bioaerosol monitoring and material sampling at abandoned day care, Columbia, SC

- Visual investigation of HVAC system, bioaerosol monitoring and material sampling at university, Columbia, SC
- Visual investigation of HVAC system, bioaerosol monitoring and material sampling at administration building for SC Dept. of Disabilities & Special Needs
- Visual investigation of HVAC system, bioaerosol monitoring and material sampling at university, Charleston, SC

Mold Remediation

- Investigation, sampling, and remediation specifications for fungal contamination in commercial office building, Charlotte, NC
- Sampling and remediation specifications for commercial office building, Myrtle Beach, SC
- Investigation, sampling, and remediation specifications for fungal contamination in condominium, Beaufort, SC
- Investigation, sampling, and remediation specifications for fungal contamination in commercial office building, Lancaster, SC
- Investigation, sampling, and remediation specifications for fungal contamination in home, Prosperity, SC
- Investigation, sampling, remediation specifications, and bid procurement for fungal contamination in house, Hartsville, SC
- Investigation, sampling, and remediation specifications for fungal contamination in condominium, Myrtle Beach, SC
- Investigation, sampling, and remediation specifications for fungal contamination in motel, Myrtle Beach, SC
- Investigation and sampling for fungal contamination in several condominiums, Myrtle Beach, SC
- Investigation, sampling, and remediation specifications for fungal contamination in motel, Cherry Grove, SC
- Investigation, sampling, and remediation specifications for fungal contamination in house, Hilton Head Island, SC
- Investigation, sampling, and remediation specifications for fungal contamination in house, Beaufort, SC

- Investigation, remediation specifications, sampling, and bid procurement for fungal contamination in retail store, Chester, SC
- Investigation, sampling, remediation specifications, and bid procurement for fungal contamination in commercial office building, Columbia, SC
- Investigation, sampling, remediation specification, and bid procurement for fungal contamination at federal credit union, Columbia, SC

Lead-based Paint

- Lead-based paint sampling at several facilities for the South Carolina Department of Disabilities and Special Needs
- Lead-based paint sampling for 13 buildings at state park in South Carolina

Environmental Site Assessments

- Transaction Screen Questionnaire for two gasoline stations, Columbia, SC
- Transaction Screen Questionnaire for future church site, Ballentine, SC
- Phase I ESA for assisted living facility, West Columbia, SC
- Transaction Screen Questionnaire for two fitness centers, Columbia, SC
- Phase I ESA for three RV dealerships in South Carolina.
- Transaction Screen Questionnaire for lumber company, Columbia, SC
- Transaction Screen Questionnaire for packaging company, Lexington, SC
- Transaction Screen Questionnaire, Irmo, SC
- Phase I ESA for abandoned restaurant, Columbia, SC
- Transaction Screen Questionnaire for future church site, Columbia, SC
- Transaction Screen Questionnaire for bread distribution center, Cayce, SC
- Transaction Screen Questionnaire for motel, Blythewood, SC

Air Monitoring

- Bioaerosol monitoring in home with fungal contamination, Columbia, SC
- Bioaerosol monitoring in home, Spartanburg, SC
- Bioaerosol monitoring in numerous schools in South Carolina
- Bioaerosol monitoring in commercial office building, Columbia, SC