

## Rick Anderson | Senior District Manager, PE, CIEC

2000 Dairy Ashford, Suite 600, Houston, Texas 77077

832-518-5145

[rick.anderson@efiglobal.com](mailto:rick.anderson@efiglobal.com)

### Professional Summary:

Mr. Anderson has over 40 years of experience in facilities related work including HVAC, environmental, hazardous materials, indoor air quality and property condition assessments. He has performed numerous investigations/evaluations related to commercial, educational (K-12 and universities), hotels, institutional and high-rise/multi-family residential facilities. He has provided consulting design, contractor selection and construction oversight for similar facilities for repairs or remediation. Mr. Anderson has also provided emergency response consulting for major flood and storm-damaged facilities including onsite evaluations, testing, design team coordination, remediation design, contractor selection and management and construction oversight.

Mr. Anderson has decades of asbestos and indoor air consulting and management experience for both public and private clients. His responsibilities have included overseeing the preparation of asbestos abatement plans and specifications and providing project management for abatement remediation projects. He has also performed several asbestos surveys, including exposure assessments and recommendations. Mr. Anderson also specializes in indoor air quality and is identified as a mechanical (HVAC) specialist for this work. These studies have included evaluating occupant complaints, sampling indicators of indoor air quality (mold/bacteria, comfort parameters, VOC's and other chemical contaminants), reviewing the operation and maintenance of the mechanical systems and developing generalized recommendations for improving indoor air quality. He has performed remediation consulting services for remediation projects correcting indoor air quality deficiencies (including mold and flooding damage). These remediation consulting services include, work procedures/scope of work development, contractor selection and bidding, project management and construction management.

Mr. Anderson is also the national catastrophe response manager for environmental services for EFI. These services involve response to major weather events (hurricanes, flooding, tornadoes) as they relate to issues for asbestos mold, and environmental contamination. Mr. Anderson is responsible for determining scope of services, coordinating and allocating of the company resources in response to these weather events.

### Areas of Expertise

- Emergency response team management
- Asbestos, lead, hazardous building materials and mold consulting
- Multi-Disciplinary Service Coordination (environmental, engineering, remediation)
- Large scale abatement and demolition project management

### Licenses and Certifications:

Professional Engineer, TX, #59977

Asbestos Consultant, TX, #105042

Mold Assessment Consultant, TX, MAC0199

Certified Indoor Air Quality Professional, Association of Energy Engineers

Certified Indoor Environmental Consultant, American Indoor Air Quality Association

### Project Experience:

#### **Hurricane Harvey - Water/Mold Damage and Asbestos Consulting Services, Houston Hi-Rise Multi-Story Company Corporate Headquarters Remediation/Renovation Project, Houston, Texas**

Principal Engineer responsible for overseeing the environmental services for a major remediation/renovation project that encompassed a three-building complex in Houston, Texas. This building complex was flooded by four feet of water in the building by Hurricane Harvey. The complex included two 10-story buildings with garages and a two-story building. The project included Flood Damage Assessment, Mold and Bacteria Sampling, Asbestos Survey, Project Manuals (work procedures and drawings), Bidding Assistance, Project Management, Work Observations/Air Monitoring, Final Air Clearances and Reporting.

Coordinated seamlessly with multiple parties, including building management, insurance adjusters, tenants, general contractors, remediation contractors and various trades professionals. Significant work phasing and sequencing was required, and work occurred over nights and weekends for much of the work. Schedule deadlines were critical for the construction and re-occupancy program to work effectively. Provided indoor air quality (mold, bacteria, comfort parameters) assessment and testing in all other areas of the building not affected by the immediate flood water damage due to buildings being shut down without power and air conditioning for a significant period.

#### **Hurricane Harvey Water/Mold Damage and Asbestos Remediation Consulting Services, Southeast Texas**

Principal Engineer responsible for overseeing the Houston office's environmental services for multiple clients, sites and facilities throughout Southeast Texas. Hurricane Harvey damaged a large amount of facilities and homes throughout Southeast Texas. The projects included school districts, universities, office buildings, hotels, etc. Our services included Flood Damage Assessment, Mold and Bacteria Sampling, Asbestos Survey, Project Manuals (work procedures and drawings), Bidding Assistance, Project Management, Work Observations/Air Monitoring, Final Air Clearances and Reporting.

Coordinated seamlessly with multiple parties, including facilities management, building management, insurance adjusters, tenants, general contractors, remediation contractors and various trades professionals. Required acquiring/coordinating significant assistance of personnel, equipment and other resources from other EFI offices and subcontractors to deal with the large demands from our clients. Significant work phasing and sequencing was required, and work occurred seven days/week for much of the work. Schedule deadlines were critical for the construction and re-occupancy program to work effectively. Provided indoor air quality (mold, bacteria, comfort parameters) assessment and testing in several buildings due to buildings being shut down without power and air conditioning for a significant period.

#### **Asbestos Consulting Services, Houston Hi-Rise Multi-Story Oil Company Corporate Headquarters Renovation Project, Houston, Texas**

Principal Engineer responsible for overseeing the environmental services for a major renovation project that encompassed the entire 32-story building. This project involved a total remodeling, including replacement of all finishes and mechanical, electrical and plumbing systems in the 50-year-old 32-story office building. This renovation also included the abatement of the known asbestos and other environmental materials (PCBs, mercury, etc.). The project included Preliminary Design/Budgeting, Asbestos Survey, Project Manuals (work procedures and drawings), Bidding Assistance, Project Management, Work Observations/Air Monitoring, Final Air Clearance, Fireproofing Testing, Final Report, Abatement Log Drawings and Operation and Maintenance

Program. The project work was performed over a 5-year period. Significant work phasing and sequencing was required, and work occurred 24 hours/day seven days/week for much of the initial work. This initial work mainly included abating the asbestos-containing materials (ACM) that were in the path of the new MEP infrastructure, which had to be installed prior to the first newly renovated floor being completed for re-occupancy. Schedule deadlines are critical for the construction and re-occupancy program to work effectively. Innovative solutions were required to meet the project requirements and one of these was the use of new fireproofing type materials in the data center for the building, where ceiling clearance heights were critical.

#### **Asbestos Consulting Services, Houston High-Rise Multi-story Renovation Project, Houston, Tx**

Principal Engineer responsible for overseeing the environmental services for a major renovation project that encompassed most public areas, garage and tenant lease spaces. This project involves a total remodeling (back to shell), including replacement of finishes and installation of sprinklers in public areas, garage and tenant areas of the 50-year old office building on a planned schedule. This renovation also included the abatement of the known asbestos and other environmental materials (PCBs, mercury, etc.). The project included Preliminary Design/Budgeting, Asbestos Survey, Project Manuals (work procedures and drawings), Bidding Assistance, Project Management, Work Observations/Air Monitoring, Final Air Clearance, Fireproofing Testing, Final Report, Abatement Log Drawings and Operation and Maintenance Program. Coordinated seamlessly with multiple parties, including building management, tenants, general contractors/abatement contractors and various trades professionals. As the building was fully occupied, logistical issues are significant, especially when totally renovating the finishes and MEP systems. Significant work phasing and sequencing were required, and work occurred at night and weekends for much of the work. Schedule deadlines were critical for the construction and re-occupancy program to work effectively.

#### **Asbestos Consulting Services, Houston Multi-story Retail Corporate Headquarters Abatement Demolition Project, Houston, TX**

Principal Engineer responsible for overseeing the environmental services for a major demolition project. The building was a 10-story retail building (formerly retailer corporate headquarters) located in downtown Houston, Texas. The building contains approximately 740,000 square feet was originally built in the 1947 (original six story) with the additional four story completed in 1957. The building footprint encompasses an entire city block. This project included the abatement of the known asbestos and other environmental materials (PCBs, mercury, etc.). The project services included Preliminary Design/Budgeting, Asbestos Survey, Project Manuals (work procedures and drawings), Bidding Assistance, Project Management, Work Observations/Air Monitoring, Final Air Clearance and Final Report. The project schedule lasted approximately 18 months. EFI was requested to provide services related to coordination with adjacent building Owners/managers as it relates to any known asbestos remaining in the building during the implosion and potential exposure concerns. We also provided post implosion debris removal observations and air monitoring. Due to the building encompassing a full city block and having two public tunnel connections, careful coordination, prior to and following, the demolition/implosion process with adjacent building Owners/managers, public transportation, City and State regulatory agencies was required.

#### **Houston Independent School District – Abatement and Renovations, Houston, Texas**

Principal Engineer responsible for overseeing comprehensive asbestos consulting services including surveys, specifications, abatement monitoring and project management for planned renovations/demolition at over 100 school campuses through three bond programs for Houston Independent School District.

**Cypress Fairbanks Independent School District – Asbestos Abatement and Renovations and Indoor Air Quality Services, Houston, Texas**

Principal Engineer providing comprehensive asbestos consulting services including surveys, specifications, abatement monitoring and project management for planned renovations/demolition at multiple school campuses. Performed indoor air quality assessment services at select campuses. EFI's team continues to work on several on-going projects, which they will provide the same services to this client.

**Numerous Buildings (Office Buildings, Hotels, Hospitals, Schools) – Water Damage Assessments/Mold Surveys in Response to Hurricane Katrina and Rita, New Orleans, La. and Beaumont, Tx. (and surrounding cities)**

Principal Engineer providing water damage assessment and mold consulting services including testing and evaluation following hurricane wind, flood and mold damage. Developed, managed, and provided clients guidelines, recommendations and direction throughout remediation and repairs.

**Court Qualifications/ Depositions:**

Mold Damages, Residence, March, 2012  
Mold Damages, Residence, Civil, May, 2011  
Mold Damages, Residence, Civil, August, 2009

**Professional Experience:**

EFI Global, Inc.  
Senior District Manager, 2016 to present  
Principal Engineer, 2006 – 2016  
District Manager, 2004 – 2006  
Director of Facilities Engineering, 2001 – Present  
Law Engineering and Environmental Services  
Asbestos, Asbestos, Indoor Air Quality Mechanical Department Manager/Principal Engineer, 1989 – 1992  
Asbestos and Indoor Air Quality Project Manager, 1992 – 1996  
Facilities Engineering Group Leader, Assistant Vice President ,1996 – 2001  
I.A. Naman & Associates, Inc.  
Staff Engineer, Mechanical, 1981 – 1984  
Project Engineer, Mechanical, 1981 – 1989

**Specialized Education:**

Certified Indoor Air Quality Professional, Association of Energy Engineers  
Certified Indoor Environmental Consultant, American Indoor Air Quality Council

**Education:**

Bachelor of Science, Construction Engineering, Iowa State University, 1981

**Affiliations:**

American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE)  
Association of Energy Engineers  
American Indoor Air Quality Association

**Courses Instructed/ Guest Lecturer:**

Mold Assessment and Case Studies, 2010 Annual RIMS Catastrophe Conferences – March 2010  
(CEU for Moisture Movement in Buildings).