

**JOE F. BOATMAN**  
Curriculum Vitae  
Update: September, 2017



**Address:**

Quality Environmental Services  
4432 Wellington Road  
Boulder, CO 80301  
Ph 303 530 2574  
Em [jfboatman@me.com](mailto:jfboatman@me.com)  
Web [www.qualityenvironmental.com](http://www.qualityenvironmental.com)

**Expertise:**

Indoor and Outdoor Air Quality Consulting  
Certified Asbestos Inspector (Colorado)  
Certified Lead Paint Inspector  
Certified Methamphetamine Inspector  
Atmospheric Aerosols  
Atmospheric Physics and Meteorology

**Education:**

1971 B.A., St. Cloud State University, St. Cloud, MN. Majors: Physics and Math.  
1974 M.S., University of Wyoming, Laramie, WY. Major: Atmospheric Resources. Thesis Title: Inadvertent Thunderstorm Modification by an Urban Area.  
1981 PhD, Univ. of Wyoming, Laramie, WY. Major: Atmos. Sci. Dissertation Title: An Observational Study of the Role of Cloud Top Entrainment in Cumulus Clouds.

**Professional:**

1995- President & Owner - Quality Environmental Services  
1998-04 Region VIII Coordinator – U. S. EPA Tools for Schools Indoor Air Quality Program  
1993-98 Director-Indoor Environmental Quality Division, AE Associates, Greeley, CO.  
Responsibilities: My primary responsibility at AE Associates, Inc. was to establish a new Indoor Environmental Division of the company and to bring it to profitability. This division is now a profit center. It served the indoor environmental needs of both new and existing clients. In addition, it provided environmental consulting services to the Company staff.  
1986-93 Supervisory Meteorologist, NOAA/ERL Boulder, CO.  
Responsibilities: My primary responsibility at NOAA was to provide the scientific direction for a group of 10 scientists and 20 support personnel in the agency's Aerosol Research Section. During my tenure, the section grew from a small group of 7 people to a productive 30-member team. We investigated environmental issues that included global climate change, urban air pollution, Chernobyl fallout, Kuwait oil fire smoke, and the removal of man's pollution by clouds and precipitation. Our annual budget, was \$2 million.  
1985-86 Meteorologist, NOAA/ERL Boulder, CO.  
Responsibilities: My primary responsibility at NOAA was to propose, plan, secure funding for, conduct, and publish the results from environmental research projects. During my tenure in this position, I developed a research aircraft capability to aid in our environmental projects. It remains the only aircraft devoted to studies of air pollution and air quality within NOAA.  
1983-85 Research Fellow, Colorado Inst. for Res. in Environmental Sciences, Boulder, CO.  
Responsibilities: My primary responsibility at CIRES was to conduct scientific research on environmental issues and to publish the results of this research in scientific journals. To satisfy this responsibility I obtained funding for several research projects, acted as the project manager for them, collected environmental data, synthesized findings, and published them.

- 1981-83 PostDoctoral Research Associate, National Research Council, Boulder, CO.  
Responsibilities: My primary responsibility at the NRC was to conduct basic scientific research on issues of interest in the atmosphere. While in this position, I conducted research on the physics of winter upslope storms along the Front Range of Colorado. This research resulted in the co-authorship of a "winter storms" chapter in a college meteorology textbook.
- 1977-81 Graduate Research Assistant, University of Wyoming, Laramie, WY.
- 1974-77 Research Meteorologist, Montana Dept. of Natural Resources, Miles City, MT.  
Responsibilities: My primary responsibility was to manage a raingage network installed to support the High Plains weather modification experiment. I coordinated and participated in the installation of the network, calibrated the equipment used in it, collected data from it, archived the data, and published scientific findings.
- 1972-74 Graduate Research Assistant, University of Wyoming, Laramie, WY.

#### **Awards:**

- 1980-81 National Weather Forecasting Contest, 2nd Place. Graduate Student Division.
- 1981-83 National Academy of Science NRC PostDoctoral Research Associate.
- 1994- Qualified Environmental Professional, Air and Waste Mgmt. Association
- 1997 International Who's Who of Professionals
- 2004 International Ultraviolet Association – Board of Directors
- 2014 Advanced Medical Technologies - Board of Directors

#### **Memberships:**

- |   |                                    |
|---|------------------------------------|
| Am. Soc. of Heating, Ref., and Air Cond. Eng. | Air & Waste Management Association |
| Sigma Xi                                      | Indoor Air Quality Association     |

#### **Publications:**

- |                                      |    |
|--------------------------------------|----|
| Books                                | 1  |
| Peer-Reviewed Scientific Journals    | 54 |
| Proceedings, Reports, Letters, Other | 20 |

#### **Client List**

- |   |  |
|---|--|
| 1000's of Homeowners - Colorado                   | Isle of Capri Casino – Black Hawk, CO            |
| AllDry Restoration - Denver, CO                   | MicroSemi - Boulder, CO                          |
| Alliance Restoration - Westminster, CO            | Johnson Controls, Inc. - Lakewood, CO            |
| Alta Colleges, Westminster, CO                    | Johnson Controls, Inc. - Casper, WY              |
| Coors Distribution Centers, Golden, CO            | KeyBank, Inc. – Denver, CO                       |
| AE Associates, Inc. - Greeley, CO                 | Lodge Casino – Black Hawk, CO                    |
| Argosy Casino – Lawrenceburg, IN                  | New Horizons Credit Union - Denver, CO           |
| Azstar Casino – Evansville, IN                    | Park County School Dist. #6 - Cody, WY           |
| Boulder County Housing Authority - Boulder, CO    | Pechanga Casino – Temecula, CA                   |
| Building Services Group, Inc. – Denver, CO        | Rocky Mt. Center Repro. Med. - Ft. Collins, CO   |
| Caesar's Riverboat Casino, Elizabeth, IN          | San Luis Valley Rural Electric – Monte Vista, CO |
| Center for People with Disabilities - Boulder, CO | Sandia National Laboratory – Albuquerque, NM     |
| Cheyenne Surgery Center, Cheyenne, WY             | NEOTechManufacturing Services - Longmont, CO     |
| Chrisman Construction, Inc. – Boulder, CO         | Colorado Premier Restoration – Denver, CO        |
| COCAT, Denver, CO                                 | ServiceMaster of Boulder - Boulder, CO           |
| Colorado Dept. of Health - Denver, CO             | ServPro of Greater Boulder - Boulder, CO         |
| Colorado Premier Restoration - Denver, CO         | Sperry Van Ness, Denver, CO                      |
| Cordes & Company - Denver, CO                     | Susan Horner Law Offices – Boulder, CO           |
| Dental Health Centers of America – Boulder, CO    | Symmetry Builders - Boulder, CO                  |
| Abbott's Fire & Flood - Denver, CO                | TestMarx – Las Vegas, NV                         |
| Empire Electric Coop. – Cortez, CO                | The Naropa University - Boulder, CO              |
| Environmental Protection Agency – Denver, CO      | TriState Gen. & Transmission - Westminster, CO   |
| Fox Property Management - Louisville, CO          | United Medical Center, Cheyenne, WY              |
| Fremont School Dist. #21 - Ft. Washakie, WY       | Blue Chip Casino - Michigan City, IN             |
| Gold Dust West Casino – Reno, NV                  | Weld County School Dist. RE-4, Windsor, CO       |
| Harrah's Casino – Shreveport - Shreveport, LA     | Wyoming Indian School - Ethete, WY               |
| Harrah's Casino – Showboat - East Chicago, IN     | Wyoming Medical Center - Casper, WY              |