

Nauset Environmental Services, Inc.

an Air Quality Company

SUMMARY RESUME

William M. Vaughan, PhD, QEP
President and Principal Scientist

Education: University of Illinois, PhD Biophysics (1969), MS Physics (1967)
Wittenberg University, BS Physics (1964)

Professional History:

Nauset Environmental Services, Inc.	1998-present	President
Remote Sensing=Air, Inc.	1992-present	President
Environmental Solutions, Inc.	1987-1999	President
AeroVironment, Inc.	1985-1987	Manager, Midwest Operations
Environmental Measurements, Inc.	1974-1985	Vice President, Services

Professional Experience:

Managed projects for more than 25 years for wide-ranging environmental studies of air quality (ambient and indoor), hazardous contamination of property, and releases of air toxins to the perimeter of sites (including two dioxin sites). Projects ranged in size from a few hundred to several million dollars.

Indoor Air Quality (IAQ) credentials: "Listed" as an EPA radon Residential Measurement Service provider since 1988 (currently NRSB #SS14 and NEHA #100848). Certified for IAQ investigations (1999, Harvard School of Public Health) and biological investigations in the indoor environment (2000, MidAtlantic Environmental Hygiene Resource Center). Accredited as an EPA AHERA Asbestos Inspector since 1988 and Massachusetts Asbestos Inspector (AI 040812) since 1998.

Collaborates with an allergist to investigate mold and other conditions for his patients – home or office. Participant in the June 2004 Harvard School of Public Health Symposium: "The Impact of Mold on Human Health."

Air Quality Program Manager at Otis Air National Guard Base (since October 2000) where he has supervised the Base's DEP CPA air permit, revised various air-related management plans, conducted IAQ studies and served as a scientific resource.

Taught "Introduction to Air Quality Issues" (Spring 2000) as an Adjunct Professor at Cape Cod Community College.

Recognized by the Institute of Professional Environmental Practice (Pittsburgh, PA) in 1994 as a Qualified Environmental Professional (QEP) for his 20+ years of multi-media environmental services.

Founded Environmental Solutions, Inc. (ES) in 1987 to offer affordable environmental services to clients in the St. Louis area as well as those across the nation (e.g. banks, realtors, large and small corporations, and homeowners). Recognized in the St. Louis area as a leading professional radon consultant. He and his staff completed over 4,000 home radon surveys and dozens of business and school radon surveys from 1987 through 1999.

Founded Remote Sensing=Air, Inc. in 1992 to focus on the group's expertise on open path monitoring techniques. Has directed paper studies on the practicality of remote sensing for plant and refinery applications and conducted field measurement programs with OP-FTIR instrumentation in six states.

Active at the national and local levels of the Air and Waste Management Association since 1975.

Authored more than 40 technical articles and reports on environmental issues ranging from radiation sensitivity and water quality to indoor air quality (including environmental tobacco smoke measurements and mold investigations), urban dispersion long range transport of pollutants, and remote sensing measurements.

P.O. Box 1385
East Orleans, MA 02643

508/247-9167 [800/931-1151]
FAX: 508/255-0738

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Professional Credentials

QEP (Qualified Environmental Professional) since 1994 - Certificate from the Institute for Professional Environmental Practice (IPEP) based on over 20 years of consulting service and strict IPEP criteria. See www.ipep.org for criteria.

Fellow Member of the Air & Waste Management (since 1999) – an honor bestowed by a selection committee

OSHA Hazardous Waste Supervisor Training (since 1994)

OSHA 40-Hour Hazardous Worker Training (since 1989)

RCRA Hazardous Waste Management certificate (since 2002)

Air National Guard Environmental Manager Training Workshop Certificate (since 2002)

Individual Listing Letter for the National Radon Measurement Proficiency Program (1990-1998)

Radon Measurement Specialist credentials through National Environmental Health Association (since 1998) and National Radon Safety Board (since 1999)

EPA-AHERA Asbestos Inspector (since 1988)

Missouri Asbestos Inspector (1995-1999)

Massachusetts Asbestos Inspector (since 1998)

Illinois Department of Nuclear Safety - Radon Professional (1990-1999)

All credentials kept current.

Professional Activities

Air and Waste Management Association (formerly the Air Pollution Control Association): Technical Committee, Moving and Remote Monitoring Committee (initially TP-9 then EM-6) - Secretary (1979-83), Vice Chairman (1985-86), Chairman (1986-1993); Technical Committee AO-1 IR/UV Monitoring Committee Secretary (1994-present); Professional Ethics Committee member (1996-present); Vice Chair of the Optical Sensing Division (AO) (1999-2000); Chair of the Optical Sensing Division (2000-2003).

Involvement with A&WMA activities has involved organizing technical sessions and serving as Co-Chair for many sessions at Annual Meetings and Specialty Conferences over the years. Under the auspices of the various technical committees over the years, Dr. Vaughan helped develop a course given at several ORS Specialty Conferences and at least two Annual Meetings. The course, which involved a team of four instructors, was an introduction to optical sensing techniques and was intended to help a wide range of professionals understand the principles behind and potential applications for optical remote sensing techniques.

Greater St. Louis Section member 1975-1999; Board of Directors (1986-88); General Chairman of an Air Toxics Workshop (January 1987); Secretary (1988-1989); Chair (1989-1990).

American Lung Association of Eastern Missouri, Environmental Lung Health Committee member (1993-1998).

St. Louis Coalition for the Environment (a federation of 35+ environmentally concerned citizens' groups in addition to individuals): Energy Committee Chairman (1973 to 1977), Technical Advisor (1977 to 1979).

WMV-S-Bio [2005-08-03]