

Experience

Auditor

- As contract auditor and former registrar Operations VP, conducted numerous internal and third party environmental management systems audits in various industries, including: Nuclear, fossil, waste-to-energy, and hydroelectric generation • gas and electric power distribution • chemical manufacture • radioactive waste disposal • automotive manufacturing • petroleum and metal refining • aircraft production and service • parks and recreation services • textiles • wood products.
- Conducted environmental audits of numerous companies, including Lockheed Martin, Honda, ITW, Westinghouse, Philips Semiconductors, Denso, Federal-Mogul, PENN DOT, Weyerhaeuser, Panasonic, Komatsu International, Exelon, Niagara Mohawk Power Corporation, NIPSCO, PacifiCorp, and Montenay Energy.
- Principal developer for ISO 14000 registration services management system-one of first five companies approved under U.S. accreditation program.

Consultant

- Performed LEED certification reviews for the US Green Building Council.
- Managed environmental and safety regulatory compliance, hazardous waste, and environmental management system.
- Served on US Technical Advisory Group to ISO Technical Committee 207 on Environmental Management.
- Participated in U.S. Trade Development Agency international environmental projects.
- Conducted environmental site assessments, groundwater contamination investigations, radon and asbestos inspections, soil and water sampling, expert witness services, research, and other consulting activities.
- Tennessee Department of Transportation Long Range Planning Committee member
- Subject Matter Expert for Chattanooga Green Team

Educator

- Wrote technical operations training manuals and standards.
- Developed and supervised training and evaluation programs.
- Conducted employee environmental and chemical safety training.
- Regularly participated as lead speaker in state government and educational institution environmental conferences and workshops related to environmental and sustainability management systems.
- Created and managed EMS auditor training and evaluation program, included two of the first twenty five certified in the United States.
- Flight Examiner and Trainer, US Air Force

Education

USGBC LEED Reviewer Training: LEED NC, Core and Shell, Commercial Interiors, Existing Buildings Operation & Maintenance, and LEED for Schools, 2008.

MS Environmental Science, University of Tennessee at Chattanooga, 2007.

BS in Environmental Science, University of Tennessee at Chattanooga, 1995.

AS Applied Science (Intelligence Collection), Community College of the Air Force, 1987.

Defense Language Institute Arabic Language School, Monterey, California, 1981 and 1986.

Selected Publications

Graduate research report: Effectiveness of Citizen Participation in Governmental Decisions: A Case Study of the Appalachian Development Highway System Corridor K Project – Ocoee Section, 2007

ISO 14001 and Economics: How Much Is an EMS Worth? East Tennessee Environmental Conference, Kingsport, TN March 2006

OHSAS 18001: Systematic OH&S Management, 2004 North Carolina Environmental Health and Safety School, Research Triangle Park, NC, August 2004.

Introduction to Sustainability Management Systems, Chattanooga Earth Day Conference, 2004

Introduction to ISO 14001 and Common Nonconformances, North Carolina Division of Pollution Prevention and Environmental Assistance, Asheville, NC, May 2000.

Tennessee Academy of Sciences, 1996 – Presentation of undergraduate research in use of constructed wetlands for treatment of domestic waste water.