



T.A. (Andy) ROWLAND III, CET, REPA, CRMI

Senior Environmental Consultant

Director of Environmental Health Training

Mr. Rowland holds a Bachelor of Science degree in Mechanical Engineering Technology from Clemson University, is a Certified Engineering Technologist, is a Registered Environmental Property Assessor, is a Certified Environmental Trainer, is a Certified Residential Mold Inspector, and is a Licensed Environmental Consultant. With over twenty five years of engineering and environmental consulting experience, Mr. Rowland has a great deal of expertise in the areas of Remediation, Asbestos Management, Lead-Based Paint Management, Hazardous Waste Management, Environmental Site Assessment, Industrial Hygiene, Indoor Air Quality, Environmental Compliance, Project Design, and Environmental Health Training. He has been involved in classroom instruction since 1994 and has lectured for such institutions as the University of North Carolina at Chapel Hill, North Carolina A&T State University, the Georgia Institute of Technology, and the Medical University of South Carolina (MUSC). Mr. Rowland served as a member MUSC's faculty from 1994 through 2005. There he served as Director of MUSC's Program in Environmental Health Sciences where he worked in the classroom, as well as, with industry in solving environmental challenges. Mr. Rowland recently served as Asbestos Subject Matter Expert for the world's largest utility company on an audit project involving industrial facilities from the Carolinas to California and from Texas to British Columbia. Most recently, he has served as project designer for asbestos abatement and environmental remediation during the demolition of Duke Energy's Cherokee Nuclear Facility. Mr. Rowland has authored several environmental training textbooks; the most recent entitled: Microbial Remediation: Design and Abatement. His research work has been funded by the U.S. Environmental Protection Agency, the U.S. Department of Energy, the Department of Education, and industrial entities such as Duke Energy and BP Amoco. Mr. Rowland is now a Senior Environmental Consultant with Applied Building Sciences, Inc., a firm specializing in engineering, architecture, environmental management, and forensic investigations. In addition to his environmental consulting practice he serves as Applied Building Sciences' Director of Environmental Health Training. Andy is a Mt. Pleasant (SC) native where he lives with his wife of twenty one years and their three children.

Education

- Bachelor of Science in Mechanical Engineering Technology, Clemson University, Clemson, South Carolina, 1985.

Textbooks Authored

- Microbial Remediation: Design and Abatement, Medical University of South Carolina Press, 2004

- EPA Lead Project Designer Text, Medical University of South Carolina Press, 2004
- IAQ: Mold Remediation Project Designer Text, Medical University of South Carolina Press, 2005
- AHERA Asbestos Inspector Refresher Text, ABS Press, Charleston, South Carolina, 2006
- AHERA Asbestos Management Planner Refresher Text, ABS Press, Charleston, South Carolina, 2006

- AHERA Asbestos Supervisor Refresher Text, ABS Press, Charleston, South Carolina, 2006
- AHERA Asbestos Worker Refresher Text, ABS Press, Charleston, South Carolina, 2006
- An Introduction to IAQ for Facility Managers, ABS Press, Charleston, South Carolina, 2006

Lectures and Presentations

- “Building Physics: Understanding Moisture and Mold”, Industrial Hygiene Annual Conference: Veterans Administration Medical Centers, Augusta, Georgia, March 14, 2007
- “Mold, Chicken Little, and the Very Angry Snowbirds”, SC Environmental Information Association Conference, Charleston, South Carolina, May 18, 2006
- “Moisture, Mold, and Weatherization”, United States Department of Energy, Nashville, Tennessee, March 1 – 2, 2006
- “Asbestos-containing Materials: Analytical Methodologies”, Environmental Protection Agency: Southeastern Consortium Annual Conference, with James R. Tucker, Ph.D., Charleston, South Carolina, 2004
- “AHERA Compliance in Our Schools”, South Carolina Principals Conference, Columbia, South Carolina, March 9, 2005
- “AHERA Compliance and Your Schools”, South Carolina Catholic Schools Conference, Charleston, South Carolina, April 21, 2005
- “AHERA Compliance and Your Schools”, South Carolina School Facilities Managers Conference, Columbia, South Carolina, May 23, 2005
- “AHERA Compliance in Our Schools”, South Carolina Principals Conference, Columbia, South Carolina, January 21, 2004
- “Asbestos Liability Issues”, North Carolina Environmental Professionals Meeting, University of North Carolina – Chapel Hill, Chapel Hill, North Carolina, December 2, 2003
- “Indoor Air Quality: Industry Status

Report”, United States Postal Service – National Conference of Industrial Hygiene Professionals, Charleston, South Carolina, May 21, 2003

- “Indoor Air Quality for Facility Managers”, South Carolina Facility Managers Meeting, North Charleston, South Carolina, March 11, 2003
- “An Introduction to Mold and IAQ”, State Facilities Managers Conference, Medical University of South Carolina, Charleston, South Carolina, April 24, 2003, (with Co-Presenter Lisa Steed, Ph.D.)
- “Indoor Air Quality and MUSC’s PEHS”, Indoor Air Quality Association Board of Directors Meeting, Tampa, Florida, March 21, 2003
- “Environmental Health Issues: An Introduction to PEHS”, North Charleston Rotary Club Meeting, North Charleston, South Carolina, January 6, 2003
- “Lead (Pb) Regulations: An Update”, Georgia Institute of Technology, Delivered via satellite to South Carolina Educational Television, Columbia, South Carolina, December 19, 2002

Registrations

- Certified Engineering Technologist: National Institute for Certification in Engineering Technologies, Number 000602, Since 1985
- Licensed/Accredited AHERA Asbestos Inspector and Management Planner: South Carolina Department of Environmental Health and Environmental Control, License Number 1292, Since 1988
- Licensed/Accredited AHERA Asbestos Project Designer: South Carolina Department of Environmental Health and Environmental Control and North Carolina Health Hazards Control Unit
- Registered Environmental Property Assessor: National Registry of Environmental Professionals, Registration Number 5687, Since 1994

- Certified Residential Mold Inspector: Indoor Environmental Standards Organization, Since 2004

Professional Organizations

- *National Registry of Environmental Professionals, registered since 1994*
- *National Institute for Certification in Engineering Technologies, certified since 1985*
- *Environmental Information Association, One of four founding members of South Carolina Chapter, Served as Vice President, President Elect, and President*
- *Indoor Air Quality Association, member since 2002*
- *Indoor Environmental Standards Organization, member of Advisory Board and IESO Standards Sub-Committee*

Previous Experience

- Applied Building Sciences, Inc., Senior Environmental Consultant and Director of Environmental Health Training, February 2006 to Present.
- Medical University of South Carolina, Member of Faculty and Program Director for Environmental Health Sciences, June 1994 – January 2006
- Medical University of South Carolina, Faculty Instructor (Department of Environmental Health Sciences), September 1994 – June 1994
- EnviroSpec, Inc., Environmental Engineering Consultant, April 1989 – August 1994
- Industrial Insulation Company, Inc., Director of Operations and Plant Engineer, February 1987 – March 1989
- PepsiCo – Frito Lay, Associate Engineer, June 1985 - 1986

Post Graduate Courses and Seminars

- “Inspecting for ACM in Buildings (AHERA)”, State of South Carolina Budget and Control Board, March 30, 1988 and all subsequent annual refreshers.
- “Management Planning for ACM in Buildings (AHERA)”, State of South Carolina Budget and Control Board, April 1, 1988 and all subsequent annual refreshers.

- “Supervision of Asbestos Abatement Projects (AHERA)”, Medical University of South Carolina, October 24, 1994 and all subsequent annual refreshers.
- “Sampling and Evaluating Asbestos (NIOSH 582), Medical University of South Carolina, May 26, 1995.
- “Designing Asbestos Response Actions”, Georgia Institute of Technology, November 22, 1996
- “Critical Asbestos Issues: Clearing the Air”, The Environmental Institute, June 27, 1989
- “Comprehensive Review of Industrial Hygiene Professionals”, University of Cincinnati, March 8, 1993
- “The Role of Environmental Audits and Site Assessments in Property Transfers”, Georgia Institute of Technology, August 15, 1994
- “Lead-based Paint Inspection Course”, Medical University of South Carolina, April 16, 1997 (repeated course on January 20, 1999)
- “Lead-based Paint Risk Assessment Course”, Medical University of South Carolina, April 18, 1997 (repeated course on January 22, 1999)
- Niton Manufacturer’s Training Course (Spectrum Analyzer), Medical University of South Carolina, October 13, 1997
- “Indoor Air Quality: Asthma and Allergen Control” University of Tulsa: Center for Environmental Research and Technology, November 30, 2000
- “Moisture: The Fix” University of Tulsa: Center for Environmental Research and Technology, November 30, 2000
- “Certified Residential Mold Inspector Course”, Aerotech Laboratories, Inc., Phoenix, Arizona, April 5 – 6, 2004

Principal Areas of Practice

- Subject Matter Expert (SME) - Asbestos
- SME - IAQ/Microbial Contamination
- Environmental Health Training
- Asbestos Inspection
- Asbestos Management
- Asbestos Abatement Project Design

- Asbestos Regulatory Compliance
- Asbestos Policy Conformance
- Indoor Air Quality Investigations
- Mold Remediation Design and Management
- Building Envelop and Moisture Investigations
- Audit and QA/QC Consulting
- Lead (Pb) Inspection and Risk Assessment
- Lead Abatement Project Design and Management