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## JOHN E. TABELLA, PG, LEED AP®

### Education

B.S. – Geology, Virginia Tech, 1992

### Professional Licenses/Accreditations

Professional Geologist – VA  
U.S. Green Building Council LEED Accredited Professional  
Certified OSHA HazMat Site Worker and Site Supervisor  
AHERA Asbestos Building Inspector and Management Planner  
VA Licensed Asbestos Inspector and Management Planner

### Professional Affiliations (Present and Past)

Urban Land Institute (ULI) – Washington, DC Chapter  
U.S. Green Building Council (USGBC) – National Capital Region Chapter  
Society of American Military Engineers (SAME) – DC Post, Northern Virginia Post  
National Brownfields Association (NBA)  
Northern Virginia Building Industry Association (NVBIA)  
National Association for Industrial and Office Parks (NAIOP)  
International Council of Shopping Centers (ICSC)  
ASTM E50 Technical Committee (and Subcommittees) – Environmental Assessment, Risk Management and Corrective Action

### Professional Experience

Mr. Tabella is a Project Manager and the Environmental Services Group Leader for the SCS Reston, Virginia office. In this capacity, he oversees all aspects of environmental services opportunities and projects primarily throughout the Mid-Atlantic region, and supports on opportunities and projects throughout the U.S. He has 20 years of broad environmental experience, covering environmental due diligence, mergers and acquisitions, environmental site characterization, remedial design and implementation, environmental regulatory compliance and permitting, industrial hygiene, health and safety, and related disciplines.

He serves as SCS' National Partner for Environmental Due Diligence, and provides support to the SCS offices on Environmental Due Diligence business development, national client contract negotiation, project execution, and QA/QC of deliverables and proposals.

He serves as the Health and Safety (H&S) Coordinator for SCS's Reston and Satellite offices, which includes about 70 employees. Major responsibilities in this capacity include implementing SCS' behavior-based safety program, coordinating and evaluating H&S training and medical monitoring, H&S recordkeeping and reporting, and H&S consulting on projects.

### Environmental Due Diligence

Performed and managed over 2,000 environmental site assessment (ESA) projects across the U.S., and meets the definition of an Environmental Professional (EP) under the EPA All

Appropriate Inquiries regulations (40 CFR 312). Assessments have consisted of Phase I ESA, Phase II ESA, Transaction Screen Assessments, and other client-customized ESAs. Example projects include:

**Fairfax County VA.** In support of the Dulles Corridor Metrorail light rail expansion project, performed and directed over 80 environmental site assessments (Phase I ESAs, Property Screening Assessments, Phase II Investigations) in Tysons Corner through Reston, Virginia to evaluate potential environmental impacts on proposed fee takes and easements/right-of-ways for the light rail construction.

**5 Sites in VA and PA.** Managed Phase I ESAs of 5 bus maintenance facilities, as part of a business acquisition (operating leases). Several facilities required further evaluation of stormwater permitting requirements, no exposure determinations and Notice of Intent submittals (for stormwater general permit applications), and preparation of SPCC and SWPP Plans.

**9 Sites in VA, MD, GA, NY, CT.** Performed and managed Phase I ESAs and Phase II investigations of 9 sites, including multi-family residential apartment complexes, undeveloped/vacant land (commercial development pipeline), and a former telecommunications research and development facility. The work was performed as part of a private equity pension fund acquisition of a portfolio of 19 sites across the U.S.

**20 Sites in VA, MD, WV.** Performed and managed Phase I ESAs of 20 concrete ready-mix plants and quarry sites (sand and gravel, limestone), as part of a merger/acquisition. Performed limited Phase II investigations at two of the properties to further assess potential environmental concerns and site impacts from hazardous substances and petroleum products.

**7 Sites in TN, GA, FL, MS.** Performed and managed Phase I ESAs and engineering pro forma analyses of two C&D materials recovery facilities in TN, and one maintenance shop and administrative office building in TN. Performed engineering pro forma analyses of an additional two C&D landfills in GA, one C&D landfill in FL, and one C&D landfill in MS. Work was performed for a confidential client as part of a proposed merger/acquisition involving more than 30 facilities across the U.S.

**Finksburg, MD.** Directed a Phase I ESA of a private solid waste storage yard and transfer station.

**Severn, MD.** Directed a combined Phase I ESA and Environmental Compliance Survey of a solid waste hauling truck maintenance facility. Assisting client in addressing identified non-compliance items, including stormwater permitting, groundwater discharge permitting, and SPCC planning.

**VA, MD, NC.** Performed and managed 10 concurrent Phase I ESAs on an expedited basis at newspaper facilities in VA, MD, and NC as part of a disposition evaluation. Four of the facilities were active newspaper printing plants, and two of the sites were former print shops.

**12 Sites in 12 States.** Project/Task Manager for 12 concurrent Phase I ESAs of printing facilities in 12 states (VA, NC, PA, RI, FL, TN, OH, IL, TX, AZ, CA, and WA) as part of a disposition evaluation. A limited Phase II investigation was performed at the FL facility to investigate potential soil or groundwater impacts around an inactive septic field.

**5 Sites in VA.** Performed and managed Phase I ESAs at five community newspaper facilities, several of which had active printing operations. Evaluated levels of residual lead (for past lead

melting operations) on interior surfaces, indoor air, and outdoor soil at one of the properties on Virginia's Eastern Shore.

**Fairfax, VA.** Performed and managed an expanded Phase I ESA and Phase II investigations of a parcel assemblage in Fairfax County, portions of which operated as the Virginia Department of Transportation (VDOT) Northern Virginia Area Headquarters facility and former state prison facility. The property has been redeveloped as a state-of-the-art public safety and transportation logistics center for various state and local governments. The project included asbestos inspections of over 20 buildings.

**Reston, VA.** Performed and directed an expanded Phase I ESA of the Cedar Ridge Apartments complex for the Fairfax County Redevelopment and Housing Authority. The project included asbestos, lead paint, radon and PCB assessments of the 18 apartment buildings.

**Johnstown, PA.** Project Manager for a combined Phase I ESA and Phase II Investigation of a former tucking facility, as part of potential acquisition. Investigated degree and extent of residual contamination related to a former petroleum UST dispensing area.

**VA, MD, WV and DC.** Performed and directed over 200 ESAs for local community banks in the mid-Atlantic area. Project sites have included undeveloped land, commercial office, multi-family housing, commercial retail, and light industrial.

**25 Sites in Five States.** Performed Phase I ESAs of bowling facilities for an international bowling equipment manufacturer and facility operator.

**10 Sites in Four States.** Performed and managed Phase I ESAs of landfill gas-to-energy (LFGE) facilities for a private developer.

**25 Sites in Six States.** Performed Phase I ESAs of hotel properties, assisted living centers, residential properties, and food service distribution facilities for several international hotel management companies.

**28 Sites in Ten States.** Performed and managed regulatory records reviews, as part of two LFGE due diligence projects for a private developer.

**3 Sites in VA.** Performed baseline environmental assessments at three coal-powered electric cogeneration facilities.

**18 Sites in Ten States.** Performed a regulatory records review as part of a LFGE due diligence project for a private developer.

**Washington, DC, Benning Road and Fort Totten Solid Waste Transfer Stations.** Performed ESAs and prepared Environmental Impact Screening Forms in support of renovations of solid waste facilities operated by the DC Department of Public Works.

**19 Sites in VA.** Performed Phase I ESAs at 19 cell tower sites in southwestern Virginia.

### **Industrial Hygiene and Asbestos Projects**

Developed and conducted scores of industrial hygiene and asbestos-related projects throughout the Mid-Atlantic region. These have included over 100 surveys for asbestos-containing materials (ACMs) at industrial, commercial, residential, and military installations, and more than a dozen asbestos operations and maintenance (O&M) plans for commercial building owners. Example projects include:

**Mt. Weather, VA.** Performed asbestos and lead paint surveys in over 30 buildings at the Department of Homeland Security Federal Emergency Management Agency (DHS FEMA) Mt. Weather Emergency Operations Center. Work was conducted in “Area A” (unclassified) portion of the campus, as part of either the pre-demolition planning process (for buildings scheduled for demolition) or a comprehensive survey program for Building Maintenance. As an on-going follow-on task with the design/build General Contractor, provided asbestos abatement support and oversight involving the pre-demolition removal of ACMs, asbestos awareness training, waste disposal assistance, and evaluation of building foundation and façade rock for asbestiform minerals.

**Fairfax, VA.** Performed site assessments, worker exposure assessments, and asbestos awareness training of a commercial construction project within a zone of naturally-occurring asbestos.

**Leesburg, VA.** Performed a microbial indoor air quality investigation (due to a flooding event) during renovations and expansion to the Loudoun County Courthouse.

**Washington, DC.** Performed anthrax assessments of office mail handling areas in DC.

**Washington, DC.** Performed an asbestos survey and microbial indoor air quality investigation at the National Public Radio building in Northwest, DC.

**Arcola, VA.** Performed “sick building” indoor air quality assessments, asbestos assessment, and bid package preparation for asbestos abatement in crawl space at a County-owned community center (day care facility).

**Harrisonburg, VA.** Performed and managed indoor air quality investigations of a hospital operating room suite and hospital annex building (office use), and asbestos and lead paint surveys of off-campus hospital buildings.

**Warrenton, VA.** Performed an odor investigation and indoor air quality assessment of a County Courthouse building.

**Reston, VA.** Performed an odor investigation and indoor air quality assessment of an office space abutting a commercial printing facility. Remedial actions included sealing of penetrations on demising wall using an expandable foam insulation.

**Winchester, VA.** Performed an odor investigation and indoor air quality assessment of a manufacturing facility (tenant is a manufacturer of fiberglass wastewater treatment systems).

**Red Lion, PA.** Performed industrial hygiene assessments, including worker chemical exposure assessments, noise assessments, ventilation assessments, job hazard assessments, and PPE assessments, at an Army munitions manufacturing plant.

**Scranton, PA.** Performed industrial hygiene assessments, including worker chemical exposure assessments, and noise assessments at an Army munitions manufacturing plant.

**Cambridge, MD.** Performed an industrial hygiene assessment, including worker chemical exposure assessment and ventilation assessment around welding stations at a metal fabricating plant.

**Warrenton, VA.** Performed asbestos roof surveys at four buildings at the Warrenton Training Center, an installation utilized by various government agencies (e.g., State Department, CIA) affiliated with the National Communications System.

## Storage Tank and Site Investigations

Oversaw the closure of hundreds of aboveground and underground storage tank systems at residential, commercial, industrial, and government facilities in the Mid-Atlantic area (VA, MD, DC, NJ, PA), and authored scores of Tank Closure and Phase II site investigation reports. Technical experience in workplan development, investigative activities (soil borings, direct-push drilling, test pit excavations, groundwater monitoring well installations, geophysical surveys), multi-media sampling, aquifer and chemical data interpretation and modeling, risk assessment, pilot testing, and remedial feasibility, and regulatory reporting. Example projects include:

**Manassas, VA.** Project Manager and Project Director for a multi-phased site characterization of a general store with two impacted potable supply wells. The facility has operated as a service station since at least the 1940s. Principal constituents of concern included petroleum compounds (BTEX and MTBE). Site activities have included installation of shallow (overburden) and deep (bedrock) groundwater monitoring wells, soil-gas survey, soil and groundwater sampling of test wells and area potable supply wells, downhole geophysical logging of the onsite supply well, surface geophysical study (resistivity), and biosurfactant injection/extraction events. Designed and installed an oxygen gas infusion network consisting of eight oxygen gas infusion emitters. On-going corrective actions include operations, maintenance, and monitoring of the gas infusion system, and quarterly groundwater monitoring. In addition, inactive USTs were removed in Spring 2009, a chemical oxidant was applied to backfill material to enhance and expedite towards remedial goals, and oxygen-release compound “socks” were installed. Currently evaluating further remedial enhancements, including direct-push ORC injection throughout overburden impacted area.

**Round Hill, VA.** Performed extensive site characterization activities at multiple source sites (automotive repair and service station facilities) to assess nature, degree and extent of contamination of shallow overburden and fractured bedrock aquifer. Principal constituents of concern included petroleum compounds (BTEX and MTBE). Project included installation of a series of nested wells (shallow/deep) and rock coring, 48-hour deep aquifer pump test, series of step-down pump tests, multi-media sampling, and review geophysical survey data.

**Loudoun County, VA.** Project Manager/Director for Site Characterization activities related to a tanker truck spill in a road median. Diesel fuel migrated down the median and impacted an estimated 3,000-feet of an adjacent stream. Following initial abatement activities (product recovery and soil excavation), performed a geophysical survey and groundwater characterization to evaluate the horizontal and vertical extent of contaminant migration. Stream assessment measures (sediment and surface water sampling) were also performed. Currently conducting post-characterization groundwater and stream monitoring.

**Prince William County, VA.** Project Manager for Initial Abatement and Site Characterization activities at the County Landfill Maintenance Building. Activities included excavation and staging of impacted soils, soil sampling, groundwater monitoring well installations utilizing hollow-stem auger drilling methods, groundwater sampling, aquifer testing, risk and remedial assessments, and report preparation. Attained Case Closure with the Virginia DEQ.

**Fort Eustis, VA.** Project Geologist for Site Characterization of #6 fuel oil release at Building 2701 at Fort Eustis. Reviewed soil and groundwater monitoring data, aquifer testing data, and historical records. Activities included soil sampling, receptor survey, risk and remedial assessments, and report preparation. Attained Case Closure with the Virginia DEQ.

**US Naval Academy, Annapolis, MD.** Project Manager for the closure and investigation of a 6,000-gallon heating oil UST at Building 60 at the US Naval Academy. Reviewed soil analytical data and historical records, and prepared UST Closure Report for submittal to MDE Oil Control Program. Attained Case Closure with the MDE.

**Mansfield, PA.** Task Manager for Site Characterization activities at a UPS facility. Investigated nature and extent of contamination related to a former diesel fuel UST tank field. Activities included soil and groundwater sampling, receptor analysis, and report preparation. Attained Case Closure with the Pennsylvania DEP.

**Washington, DC:**

- **Investigation and Remediation Services, Former Newspaper Printing Facility.** Project Manager for a Quantitative Risk Assessment at a former newspaper printing and distribution facility in Southeast, Washington, DC. Performed a quantitative risk assessment at a leaking underground storage tank site. Project was one of the first risk assessments submitted under the new DC risk-based corrective action program for UST sites. Secured a No-Further-Action letter from the DC UST Division based on the completed risk assessment. Under a previous task, assisted with the closure of the former newspaper printing plant, involving asbestos abatement, storage tank decommissioning, printing presses breakdown and removal, and general site cleanup. Prepared a cleanup plan agreed to by the buyer and seller, provided remedial oversight and monitoring, and prepared a final facility closure plan.
- **Combined Phase I/Phase II Environmental Site Assessment, Former Service Station Property.** Project Manager for assessment of currently vacant land to be redeveloped in Southeast, Washington, DC. The Phase II investigation included performance of numerous environmental soil borings using direct-push drilling methods, and collection of subsurface soil and groundwater samples for mobile-laboratory analysis.
- **Combined Phase I/Phase II Environmental Site Assessment, Former Service Station Property.** Project Manager for a combined Phase I/Phase II environmental assessment in Southeast, Washington, DC. The Phase II investigation included performance of numerous soil borings and installation of several groundwater monitoring wells using hollow-stem drilling methods. Subsurface soil and groundwater samples were collected to assess impacts from the historical petroleum handling at the site. Quarterly groundwater monitoring was conducted for approximately one year, at which time site development activities commenced. Provided additional environmental support services during site development and construction, including periodic oversight, field screening and segregation of impacted soils, abandoned UST closure assessment, and liaison with client and regulatory agency. Secured a No Further Action letter with the DC UST Division.
- **UST Investigation and Phase II Assessment, Building 60 Nebraska Avenue Complex, Northwest, DC.** Project Manager for an abandoned UST investigation and Phase II assessment at the Nebraska Avenue Complex, a former Naval Intelligence Center and current temporary headquarters for the Department of Homeland Security. A geophysical study was performed using electromagnetic and ground-penetrating radar methods to investigate for abandoned USTs. The Phase II investigation included performance of numerous soil borings and collection of screenpoint discrete groundwater samples to

evaluate subsurface conditions and environmental quality. A comprehensive report was prepared that documented the findings of the investigations and recommended no further action.

### **Remediation/O&M and Voluntary Cleanup**

**Leesburg, VA.** Project Manager for the remedial investigation of PCE contaminated groundwater at an active dry cleaner in a commercial shopping center. Project is enrolled in the Virginia Voluntary Remediation Program. Initial task included groundwater sampling and analysis to evaluate plume stability, and to confirm groundwater gradient and plume delineation. Installed a sub-slab depressurization system. Currently finalizing public notice (public participation) process. Anticipate receipt of Certificate of Satisfactory Completion from Virginia DEQ by end of 2012.

**Midlothian, VA.** Project Manager for the investigation and vapor mitigation of PCE and other organics/chlorinated solvents at an active dry cleaner in a commercial shopping center. Included preparation of an application to the Virginia Voluntary Remediation Program; design and installation of a subslab vapor mitigation system; operations, maintenance and monitoring activities associated with the vapor mitigation system; indoor air monitoring; public notice activities associated with the VRP process, and regulatory interface and negotiations. Obtained Certificate of Satisfactory Completion through the Virginia DEQ.

**Herndon, VA.** Project Manager for the operations, maintenance and monitoring activities and reporting associated with petroleum remediation of a former municipal fleet maintenance facility. Groundwater pump-and-treat and free product recovery system, including floodplain interceptor trench 2,000-feet downgradient of source area. SCS performed multi-phase investigations and remedial actions, including design and installation of a groundwater treatment system at the source area and an interceptor trench in an adjacent flood plain. Completed site closure activities (well abandonment and systems deactivation) and attained regulatory closure with VDEQ.

**Washington, DC.** Project Manager for a heating oil release at an apartment complex. Tasks have included review of previous investigation and corrective action reports (by others); periodic well gauging for free product and groundwater levels; interim remedial efforts (manual bailing and vacuum truck extraction events); groundwater sampling and reporting; technical support and negotiations with neighboring parties; and development of an updated corrective action plan. Installed a free-phase recovery system (product only), and currently performing operations, maintenance, monitoring, and reporting to the District Department of the Environment (DDOE) UST Division. Currently proposing an enhanced vacuum recovery pilot test to evaluate the benefits of low vacuum extraction to assist the product skimming efforts.

**Alexandria, VA.** Project Manager for the operations, maintenance, monitoring, and reporting activities associated with petroleum remediation at a mass laundering facility. Leaking USTs had released No. 2 and No. 6 fuel oil into the subsurface and impacted the shallow aquifer. SCS performed multi-phased investigations and remedial actions at the site. Oversaw completion of two vacuum extraction pilot studies, and revised the Corrective Action Plan to include the installation of additional recovery wells and a wellhead vacuum system (SVE system) to enhance recovery of free-phase product.

**Airmont, VA.** Project Geologist for the monitoring and remedial activities at a rural general store with former resale fueling operations. Performed and managed post-site characterization monitoring of the off-site groundwater monitoring well network. Oversaw remedial actions, including the excavation of several thousand tons of impacted soil into the adjacent road-front, and installation of a passive venting system. Attained regulatory closure with the VDEQ and managed well abandonment activities.

**Bedford, PA.** Project Manager for a Groundwater Monitoring Program at a Manufacturing Facility. Industrial wastewater had seeped from lagoons and impacted the shallow aquifer. Under EPA and PADEP directive, groundwater monitoring events are conducted approximately every nine months, and staggered to reflect seasonal variations in groundwater conditions. Mr. Tabella oversees project scheduling, data evaluation, and annual report preparation. Currently evaluating risk-based closure under EPA and PADEP (Act 2) regulations.

### **Environmental Compliance and Permitting**

**5 Sites in VA and PA.** Project Manager for environmental compliance evaluation of 5 bus maintenance facilities, as part of a business acquisition (operating leases) and based on the findings of SCS' Phase I ESAs. Prepared stormwater No Exposure Determinations and Notice of Intent submittals. Prepared SPCC and SWPP Plans, and provided SPCC implementation training to client staff.

**10 Sites in VA and WV.** Project Manager for the development of Spill Prevention Control and Countermeasure (SPCC) Plans, per 40 CFR 112, at ready-mix concrete plants and sand and gravel sites. Prepared Stormwater Pollution Prevention Plans (SWP3) for many of the sites, where site operations contact stormwater and where existing treatment (pH adjustment) of stormwater is performed under permit to discharge.

**NJ, GA, FL, CO.** Performed health, safety, and environmental compliance assessments and audits of customer service centers and wheel, brake, hose, and battery service shops of an international aircraft parts repair company. Performed employee hazard communication training, personal protective equipment training, and qualitative fit-testing for employees.

**GSA Facilities, Washington, DC and MD.** Project Manager for Environmental Compliance Audits of 13 U.S. General Services Administration National Capital Region properties. Audits addressed major regulatory programs (e.g., regulations promulgated under RCRA, CERCLA, TSCA, CAA, SDWA, CWA, and FIFRA and state/local regulations). Assisted GSA in resolving identified non-compliance items at two facilities, including air permitting at a Census Building in MD and EPCRA (Form R) reporting at Building 212 at the Southeast Federal Center in DC (occupied by U.S. Federal Protective Service and used as an indoor firing range).

**Chantilly and Manassas, VA.** Project Manager for permitting and engineering support for two proposed Materials Recovery Facilities (MRFs) for a private entity. Facilities to accept and recover recyclable components from construction and demolition (C&D) waste streams. Completed permitting through VDEQ waste management regulations Permit-By-Rule program for MRFs for each facility. In addition, completed permitting through stringent Loudoun County Chapter 1080 solid waste regulations for the Chantilly facility.

**Richmond, VA.** Senior Scientist for a pilot Environmental Compliance Program for the Virginia Department of Transportation (VDOT). Project included site visits and environmental



compliance evaluations at over 20 VDOT facilities in the Richmond District. Data reported and used to evaluate further development and implementation of the program statewide, and in support of development of an environmental management system at the agency.

**US Naval Academy, Annapolis, MD.** Project Manager for development of an updated Integrated Contingency Plan and Pollution Prevention Plan for the US Naval Academy.

### **Landfill/Solid Waste Services**

**Fort Belvoir, VA.** Project Manager for 13 Phase I RCRA Facility Investigations of solid waste management units (SWMUs). Tasks included historical records review, landfill delineation efforts (test pits), soil and groundwater investigations, sediment and surface water quality assessments, landfill gas probe installation and monitoring, data interpretation and risk screening, and reporting. Management duties have included budget tracking, invoicing and progress reporting, staff/manpower management, assistance with public hearing, and presentation of findings to the government.

**Fairfax County, VA.** Project Manager for an investigation of the inactive Popes Head Road municipal solid waste landfill utilized by Fairfax County in the late 1950s. The site has also been used as a police and canine training center and outdoor firing range since the early 1960s. Tasks included historical records review, landfill delineation efforts (test pits), soil investigation, surface water quality assessment, landfill gas probe installation and monitoring, data interpretation and risk screening, and reporting. Management duties have included budget tracking, invoicing and progress reporting, staff/manpower management, and presentation of findings to the county.

**Fairfax County / Prince William County Landfills, VA.** Performed Annual and Semi-Annual Groundwater Reporting and Statistical Evaluation required by the Virginia Solid Waste Management Regulations. Duties included preparation of annual and semi-annual reports that included analysis of groundwater monitoring data and interpretation of statistical analyses reports derived from a variety of inter-well statistical procedures. Projects involved performing multiple inter-well and intra-well statistical comparisons using standard CABF T-Test, Mann-Kendall Trend Test, and parametric and non-parametric Prediction Interval Test statistical methods, comparing multiple upgradient monitoring locations with multiple downgradient monitoring locations within separate groundwater monitoring zones. Statistical procedures were performed in accordance with Commonwealth of Virginia regulations.

### **Other Experience**

**Storb Environmental Incorporated, Willow Grove, PA.** Staff Geologist. Responsibilities included management and performance of due diligence investigations, environmental site assessments, and petroleum storage tank projects, as described above. Additionally, Mr. Tabella authored several types of pollution prevention plans for bulk petroleum storage terminals and pipeline facilities, including Spill Prevention Control and Countermeasure (SPCC) plans, Preparedness, Prevention, and Contingency (PPC) plans, and Emergency Response Plans under the Oil Pollution Act of 1990 (OPA 90). His duties also included completion of state storm water and waste management permits for private clientele in Pennsylvania and New Jersey.

## Professional Development and Presentations

“*Managing RECs in the Dawn of the New ASTM Phase I Standard*”, Western Real Estate News, July 2013 (primary author).

Leadership Loudoun Class of 2011.

Guest Speaker, Health and Safety Issues Associated with Landfills and Solid Waste Facilities (Harrisburg, PA), SCS Landfill/Landfill Gas Seminar, 2011.

“*Environmental Management Systems: A New Backbone for LEED?*”, FacilitiesNet.com, January 2011 (primary author).

Guest Speaker, Health and Safety Issues Associated with Landfills and Solid Waste Facilities (Roanoke and Richmond, VA and Baltimore, MD), SCS Landfill/Landfill Gas Seminars, 2009.

Geophysical Well Logging and Imaging Techniques (Exton PA), ARM Geophysics Division, January 2007.

“*Recycling Land around D.C. offers Field of Dreams*”, Washington Construction News, September 2005 (co-author).

Guest Lecturer, Environmental Health & Safety Issues (16-week class, Washington DC), BOMI Real Property Administrator/Facilities Management Administrator Designation Curriculum, Fall 2005.

Guest Speaker, Site Characterization – Petroleum Tanks in Virginia Seminar (Richmond VA), Lorman Education Services, February 2004.

Environmental Management Systems Internal Auditor Training Course: ISO 14000 (Reston VA), BSi Management Systems, June 2003.

Solving Water Intrusion and Mold Problems (Alexandria VA), Lorman Education Services, September 2002.

Project Management (Alexandria VA), Fred Pryor Seminars, April 2001.

Accelerated Bioremediation of Chlorinated Solvents: RTDF Bioremediation Consortium Short Course (Woodbridge VA), November 2000.

Essentials of Risk Assessment (Arlington VA), EEI Corporation, September 2000.

Assessment and Management of MtBE Impacted Sites: NGWA Short Course (Philadelphia PA), April 1999.

Principles of Hydrogeology Correspondence Course, Wright State University, Spring 1995.