

## LISA L. SMITH

### Education

MS – Environmental Engineering, University of Florida  
BS – Chemistry, University of Florida

### Professional Experience

Lisa has over 35 years of experience across a variety of roles in environmental science. Before joining SCS Engineers, she worked as an environmental regulator at the Miami-Dade County Department of Environmental Resources Management (DERM), a risk assessor at a national environmental consulting firm, and a research chemist at the University of Florida.

Lisa serves SCS Engineers as a senior technical advisor and expert in risk-based corrective action (RBCA). Lisa provides unique insight into regulatory issues. While working as DERM's Risk Assessor, Lisa served as the primary author of the County's RBCA Ordinance, which regulates cleanup actions for county sites. Lisa was also responsible for formulating department policy and generating technical documents on assessment, remediation, risk assessment, RBCA, wastewater reuse, contaminated soil reuse, legally applied pesticides, and construction on contaminated properties.

Examples of project and work experience include the following:

**Risk Assessment for an Active Golf Course, Broward County, Florida.** Senior Technical Advisor overseeing a site-specific risk assessment for an active golf course in Tamarac. The risk assessment was approved by the local regulatory agency, allowing the client to move forward with redevelopment plans.

**Risk Assessment and Site Redevelopment of a Former Golf Course, Delray Beach, Florida.** Senior Technical Advisor responsible for identifying risk management alternatives to deliver a financially attractive development plan that met the goal of having no soil restrictions. The approach included a site-specific risk assessment, implementation of site-specific institutional controls, and use of fill generated from onsite lake construction for soil blending.

**Calculation of Alternative Soil Cleanup Target Levels (ASCTLs) for Various Projects, Florida.** Senior Technical Advisor responsible for developing ASCTLs for a variety of COCs, using site-specific conditions, updated toxicity factors, and/or updated exposure factors. For example, site-specific soil parameters were used to support leachability-based ASCTLs for organochlorine pesticides. Updated exposure parameters were used to support an acute toxicity-based ASCTL for copper, triggering County- and State-wide updates to all default acute-toxicity-based SCTLs. Updated toxicity factors were used for the first proposal of a commercial/industrial ASCTL for benzo(a)pyrene in Miami-Dade County. Development of these ASCTLs has resulted in significant cost savings for our clients.

**Calculation of an Alternative Groundwater Cleanup Target Level (AGCTL) for Various Projects, Miami-Dade County, Florida.** Senior Technical Advisor responsible for developing AGCTLs for ammonia, accounting for both toxicity and organoleptic (taste and odor) considerations. The AGCTL has resulted in significant cost savings for our clients, and the local regulatory agency has adopted the AGCTLs for use at all applicable sites.

**Calculation of an Alternative Fresh Surface Water Cleanup Target Level (ASWCTL) for Various Projects, Miami-Dade County, Florida.** Senior Technical Advisor overseeing the development of an



ASWCTLs for aluminum, using site-specific pH, hardness, and dissolved organic carbon. The ASWCTL has resulted in significant cost savings for our clients.

**Assessment, Remediation, and RBCA Site Closure of Various Projects, Florida.** Senior Technical Advisor responsible for providing technical oversight of various projects, including the conversion of agricultural lands to residential use and construction over former landfills and lakefills. Responsibilities included strategic planning of assessment and remediation activities to achieve site closure objectives; statistical evaluation of data; calculation of alternative cleanup target levels; evaluation of drainage options; preparation of conditional site closure documents; and coordination with State and local agencies.

**Soil and Groundwater Assessment at Public Parks with Buried Incinerator Ash, City of Miami, Florida.** Senior Technical Advisor responsible for evaluating various remedial alternatives and risk management options to formulate a cost-effective approach to address buried incinerator ash.

**Approach to Address Site-Wide Impacts at an Operating Rail Yard, Miami-Dade County, Florida.** Senior Technical Advisor responsible for identifying an alternative approach to address site-wide impacts of PAHs at an active rail yard. The approach, consisting of best management practices, worker safety measures, and existing engineering controls, provided a practical, cost-effective remedial solution.

**Soil Reuse Evaluations for Various Sites, Miami-Dade County, Florida.** Senior Technical Advisor responsible for obtaining approval for a variety of development projects to reuse soil as lakefill material or upland fill beneficially; thereby, providing significant cost savings on disposal and clean fill import fees. Responsibilities included reviewing historical environmental records, preparing and executing sampling plans, statistical evaluation of analytical data, and coordinating with the regulatory agency.

**Florida Department of Transportation, Miami Beach, Florida.** Senior Technical Advisor responsible for overseeing the statistical evaluation of data collected within a future roadway improvement project corridor, to support regulatory approval for beneficial reuse of excess soil as lakefill material. This project involved advanced statistical analysis and an alternative leachability method to support reuse.

**Ludlam Green Trail, Miami-Dade County, Florida.** Senior Technical Advisor responsible for overseeing the assessment of a former railroad corridor, which included Incremental Sampling Methodology (ISM) testing, statistical evaluations to demonstrate background conditions, evaluation of stormwater runoff patterns, and calculation of PAH diagnostic ratios to identify potential sources.

**Port of Miami Tunnel Project, City of Miami, Florida.** Technical Advisor responsible for managing the tasks associated with obtaining reuse approval for soil excavated using confidential soil conditioning agents. Responsibilities included coordinating with international product suppliers to obtain proprietary chemical composition data; identifying chemicals of potential concern; coordinating the toxicological review; reviewing and interpreting toxicological assessment findings; and coordinating with testing laboratories to develop extraction and analysis methods.

**Regulatory Experience, Miami-Dade County DERM, Miami-Dade County, Florida.** DERM Risk Assessor responsible for supporting DERM's Chief of the Pollution Control Division in technical and policy-related matters in a variety of areas, such as RBCA, assessment, remediation, risk assessment, wastewater reuse, soil and sediment reuse, and legally-applied pesticides. Primary duties included co-authoring, implementing, and maintaining the RBCA ordinance for Chapter 24; developing and maintaining supporting guidance documents, technical reports, and department policies; developing and implementing supporting policies and guidelines for the State RBCA rules and procedures; providing technical training to DERM staff; planning, assigning, and reviewing the work of technical staff engaged in the review of RBCA assessment and remediation reports; managing the University of

Florida toxicology support services contract and the RBCA permit program; and conducting soil and sediment reuse evaluations.

**CERCLA Risk Assessment Experience, Law Environmental, Government Services Division, Kennesaw, Georgia**, Risk Assessor, responsible for preparing human-health risk assessments for various Superfund sites, including many former military bases.