

GREGORY G. MILLS, P.E.

Senior Project Engineer - Raleigh, NC

Academic Credentials:

B.S. Civil Engineering, 1994
North Carolina State University, Raleigh, NC

Duties:

1997 - 2005 - Board of Directors

Professional Credentials:

Professional Engineer - GA, NC
40 Hour Health and Safety Training (29CFR1910.120)
Active NCEES registration
Level II Stormwater Certification in Georgia

Employment Record:

1995 - Present – Smith Gardner, Inc.

Principal Areas of Expertise:

Geotechnical Engineering
Landfill Containment Design
Landfill CQA Oversight
Field Geophysical Studies

Professional Activities:

American Society of Civil Engineers (ASCE)



Mr. Mills has over 21 years' experience in siting, design, and permitting of solid waste facilities. This includes bid document preparation, cost-estimating, and construction administration. He has performed construction quality assurance for a variety of projects. Mr. Mills has also prepared design documents for facility closure.

Mr. Mills has worked on the design and permitting for containment and closure on numerous Subtitle D landfills in North Carolina, South Carolina, Virginia, Georgia, Alabama, Tennessee, Florida, Mississippi, Pennsylvania, Ohio, Connecticut, and Massachusetts including piggy-back landfill design for MSW landfills in North and South Carolina, as well as in Tennessee, Virginia, and Pennsylvania. He has also designed and permitted landfill gas collection and control systems in North Carolina, Virginia, Tennessee and Georgia.

His work with industrial clients includes the design of a double-lined landfill at a paper mill in Riegelwood, North Carolina (built within a wastewater treatment pond), which was the first double-lined landfill built in North Carolina. Mr. Mills worked on the design and permitting of a lined ash landfill in Roxboro, North Carolina (built over an unlined ash disposal area) that incorporated bottom ash as part of the drainage system.

For an unlined paper mill sludge landfill in North Carolina, Mr. Mills designed and permitted a closure system that incorporated by-products from paper production as components of the closure. Mr. Mills has closure design and construction oversight for closures of a sludge pond in Ohio, a paper mill landfill in Massachusetts, and a Superfund site in South Carolina. Mr. Mills has piggy-back design experience with an industrial landfill in Danville, Virginia, as well as MSW landfills in North Carolina, Tennessee, and Pennsylvania.

Mr. Mills has also worked as the on-site CQA oversight for cell expansions and closures in North Carolina, South Carolina, Virginia, and other states, including industrial, MSW, and construction and demolition landfills.

Mr. Mills provided design and construction oversight for a geomembrane lined sediment pond in Wilmington, NC. He was also the geosynthetics design consultant for lined potable water reservoirs in Florida and North Carolina. Mr. Mills has performed several stormwater designs and upgrades necessary to comply with discharge limits associated with wetlands permits in North Carolina and Alabama.

Mr. Mills has also performed field monitoring and evaluation of potentially weak slopes in waste and soil using magnetic extensometers and slope inclinometers, and supervised two full-scale field tests to evaluate liner cushions, geogrids and geotextiles with various stone sizes and cover depths.