

Professional Record

Mr. Mills has over thirteen years of experience working on the siting, design, permitting and construction of containment cells and closures for both municipal and industrial landfills. He is also designed and participated in the construction of geomembrane lined ponds and reservoirs.

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 and Pennsylvania, including piggy-back landfill design for MSW landfills in North and South Carolina.

In addition to work on Subtitle D landfills, Mr. Mills has worked on several industrial sites. This work includes the design of a double-lined landfill at a paper mill in Riegelwood, North Carolina (built within a wastewater treatment pond). 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.

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, N.C. He was also the geosynthetics consultant for the design and construction of a lined potable water reservoir in Florida. 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.

Gregory G. Mills, P.E. Senior Project Engineer

Academic Credentials:

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

Duties:

1997 - 2005 - Board of Directors

Professional Credentials:

Professional Engineer - North Carolina
40 Hour Health and Safety Training
(29CFR1910.120)

Employment Record:

1995-present - Richardson Smith Gardner & Associates
(formerly G.N. Richardson & Associates, Inc.)

Principal Areas of Expertise:

Geotechnical Engineering
Landfill Containment Design
Landfill CQA Oversight
Field Geophysical Studies

Professional Activities:

American Society of Civil Engineers (ASCE)