

JOHN M. GARDNER, P.E.

Senior Project Manager - Raleigh, NC

Academic Credentials:

B.S. Civil Engineering, 1981
University of Pittsburgh, Pittsburgh, PA

Duties:

2006 - Present - Vice President
2000 - Present - Board of Directors

Professional Credentials:

Professional Engineer - AL, CO, FL, GA, IN, KY, MD, MI, MS, NC, OH, PA, SC, TN, TX, VA
Certification - The National Council of Examiners for Engineering and Surveying

Employment Record:

1996 - Present – Smith Gardner Inc.
1994 - 1996 - HDR Engineering, Inc.
1986 - 1994 - Almes & Associates, Inc.
1985 - 1986 - Fred C. Hart Associates, Inc.
1984 - 1985 - STS D'Appolonia, Ltd.
1981 - 1984 - D'Appolonia Consulting Engineers, Inc.
1974 - 1981 - Pittsburgh Testing Laboratory (summers)

Principal Areas of Expertise:

Waste Engineering
Geotechnical Engineering
Environmental Due Diligence

Professional Activities:

American Society of Civil Engineers (Treasurer,
Pittsburgh Section 1981 to 1984)

Selected Publications & Presentations:

Gardner, John M., "Geotechnics of Waste Wallboard Monofill Closure, Lessons Learned", ASCE Annual Meeting, Greensboro, NC, August 27-28, 2009
Gardner, John M. and Hand, Clayton (Metro Nashville Public Works Dept.), "Metro Thermal Ash Monofill Closure Cap, Stormwater Damage and Restoration Update", 45th Environmental Show of the South, Conference and Exhibition, Gatlinburg, TN, April 20-22, 2016



Mr. Gardner has over 40 years' experience at more than 200 facilities across the U.S. His work is primarily in solid waste engineering and related fields with a particular emphasis in siting, design, permitting strategies, construction, operation, closure, and post-closure monitoring of solid waste management facilities including municipal, construction/demolition, industrial, and residual waste landfills. Mr. Gardner also specializes in environmental due diligence and forensic engineering services.

Mr. Gardner's Geotechnical experience incorporates numerous civil structures including tanks, utilities, subway/light-rail transit, commercial buildings, roadways, bridges, and industrial plants and infrastructure. Geotechnical remediation experience includes foundation repair, failure analyses, railbed and slope rehabilitation, and natural/constructed embankment stabilization. Mining-related experience includes deep and surface coal and non-coal mine permitting, coal refuse disposal design/construction, and mine subsidence stabilization.

Mr. Gardner's general environmental experience includes permitting and design related to site assessments, stormwater, wetlands, air quality, and groundwater studies. Mr. Gardner has performed environmental due diligence activities for waste related facility/properties. His experience includes technical peer reviews of waste related facilities encompassing greenfield and expansion projects for regional solid waste authorities and private industry. Private sector work has included complete solid waste planning, permitting and design projects for many of the country's past and present solid waste disposal companies. Mr. Gardner has worked closely with private firm accountants and controllers in meeting requirements for closure and post closure asset retirement and budgeting to meet federal reporting requirements.

His Industrial/Residual Waste experience has included facility planning, design and construction in the pulp/paper, primary and secondary aluminum, chemical, steel, wall board, and power industries. Hazardous Landfill Permitting and Design experience has encompassed Part B applications for a number of chemical facilities, the steel industry, and Storm water/Closure plans.

Mr. Gardner has served as an expert witness on a number of projects for regional landfill facilities, private landfill sites, landfill construction costs, industrial site closure, hazardous waste (Superfund) site remediation, recycling facilities, CERCLA remediation, and oil/gas sites. Mr. Gardner currently serves as lead technical oversight for the USVI DPNR in the remediation of over 200 acres of former industrial property. He also serves as an environmental expert to the EPA and the U.S. Department of Justice.

His Construction Quality Assurance (CQA) and Certifying Engineer experience includes numerous solid waste landfill projects totaling over 20 Million square feet of single/double landfill liner and leachate collection/detection system construction as well as capping and cell construction of numerous, unlined facilities and site closures.