STACEY A. SMITH, P.E.

Senior Engineer - Raleigh, NC

Mr. Smith brings a career of design, construction and operational experience in all aspects of solid waste management and remediation. He specializes in unique challenges of waste recovery, special construction, renewable energy systems, and containment systems. His work includes siting, design, permitting, construction, operations and closure services.

Academic Credentials:

B.S. Civil Engineering (Construction), 1992
North Carolina State University, Raleigh, NC
M.C.E. Civil Engineering (Geotechnical), 2004
North Carolina State University, Raleigh, NC

Duties:

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

Professional Credentials:

Professional Engineer – AR, CT, DC, FL, GA, IL, IA, LA, MD, MI, MO, NC, OK, PA, SC, TN, TX, USVI, VA, WI, NCEES & USCEIP

Employment Record:

1996 - Present – Smith Gardner, Inc. (formerly G.N. Richardson & Associates, Inc.)
1995 - 1996 – S.T. Wooten Corporation (STW)
1992 - 1995 – Hazen & Sawyer, P.C.
1991 - 1992 – G.N. Richardson & Associates, Inc. (GNRA)

Principal Areas of Expertise:

Solid Waste Landfill Siting and Design
Renewable Energy Development
Landfill Gas Collection System Design & Management
Environmental Remediation
Construction Management and Administration

Professional Activities:

American Society of Civil Engineers (ASCE)
Professional Engineers of North Carolina (PENC)
Solid Waste Association of North America (SWANA)
North Carolina Board of Examiners for Engineers & Surveyors (Emeritus)
Environmental Research and Education Foundation (EREF)
NC State University Industry Advisory Board (Past Chair)

Selected Publications & Presentations:

Smith, Stacey A., "Responsible Charge" The North Carolina Bulletin, October 2016, North Carolina Board of Examiners for Engineers and Surveyors.

Richardson, G.N., S.A. Smith, and P.K. Scheer, "Active LFG Gas Control: An Unreliable Aid to Stability", Proceedings from the First Pan American Geosynthetics Conference 2-5 March 2008, Cancun, Mexico; SC SWANA Conference 18-20 May 2016

Smith, Stacey A. and Joan A. Smyth, "Passive Acquifer Mining for Landfill Expansion". North Carolina Section Annual Meeting, 26 Sept. 2006, American Society of Civil Engineers

Mr. Smith has demonstrated throughout his career a bottom-up approach, beginning as a technician with GNRA and then advancing to managing partner with now, Smith Gardner.

He has provided services for public and private clients throughout the industry both locally and nationally. Mr. Smith has managed solid waste facility elements such as containment systems, leachate management and recirculation, site infrastructure, final cover systems, landfill gas collection and control, groundwater recovery, compost systems, and special waste applications. Mr. Smith has been integral to our company for his ability to design and permit these elements as well as providing "hands-on" field assistance during implementation.

Mr. Smith strives to bring a technical competency to projects for the clients benefit. This is demonstrated in the Sampson County Landfill Gravity Groundwater Intercept (GGI) project. The GGI system recognized, and took advantage of, medium to coarse sand veins throughout the site to implement a large scale (200 Acre) dewatering project. The GGI system lowered the site base grades by 20 feet, providing necessary soil resources, improved stability, and increased site volume.

Mr. Smith has been active in the development of numerous waste material recovery and re-utilization projects. These include excavation of older LCID landfills for wood waste recovery and processing, a Superfund landfill project in Columbia, SC that won EPA's Excellence in Site Reuse Award, compost material enhancement on landfill covers, utilizing waste paint in alternate daily cover, and has completed numerous landfill gas to energy and solar projects. Resource recovery is at the forefront of his project development.

He continues to assist the needs of our industry through advancement of research, technology and innovation. Most recently, he is participating as the engineering representative on NC's 2022 Statewide Mapping Advisory Committee reference frame working group and works with N.C. State University on research to improve transfer station tipping floors.

Mr. Smith strives to be a leader in industry through active involvement with organizations and institutions such as the Environmental Research and Education Foundation (EREF) Research Council, and assistance with the NC State University Department of Civil, Construction and Environmental Engineering Industry Advisory Board. He maintains an active collaboration with the students and department to advocate research in the industry. He also does committee work with NCEES and is an Emeritus member of the NC Board of Examiners for Engineers and Surveyors.