

Academic Credentials:

B.S. Civil Engineering, 1990
North Carolina State University, Raleigh, NC
M.S. Civil Engineering, 1992
North Carolina State University, Raleigh, NC

Duties:

2012 - Present – Vice President
1996 - Present – Board Member

Professional Credentials:

Professional Engineer – NC, SC, VA
OSHA 40-Hour Health and Safety Training
(29 CFR.1910.120)

Employment Record:

1994-Present – Smith Gardner Inc.
1993-1994 – Harding Lawson Associates
1992-1993 – Hazen & Sawyer, P.C.

Principal Areas of Expertise:

Landfill Containment and Closure Design
Geotechnical Engineering
Construction Administration
Construction Quality Assurance (CQA)

Professional Activities:

American Society of Civil Engineers
American Society for Testing and Materials D35
Committee
Environmental Research and Education Foundation
(EREF) Research Council
Solid Waste Association of North America

Selected Publications & Presentations:

Richardson, G.N., and Scheer, P.K. (2003), "Design of Geomembrane Protective Rainsheets", GFR, Sept., 2003, pp. 16-19.

Richardson, G.N., Mills, G.G., and Scheer, P.K. (2004), "Geocomposite Drains in Paper-Pulp Landfill Covers", GFR, June, 2004, pp. 32-35.

Richardson, G.N., and Scheer, P.K. (2006), "The Enhancement of Interface Shear Strength Between Two Nonwoven Geotextiles", Geosynthetics, April-May, 2006, pp. 10-16.

Richardson, G.N., Smith, S.A., and Scheer, P.K., (2008), "Active Gas Control: An Unreliable Aid to Veneer Stability", Proceedings from the First Pan American Geosynthetics Conference, 2-5 March 2008, Cancun, Mexico.

PIETER K. SCHEER, P.E.

Senior Engineer - Raleigh, NC



Mr. Scheer has over 30 years' experience with the siting, design, permitting, and construction of lined landfill containment cells and closures, including the design of multiple piggyback (waste-over-waste) landfills, and has extensive knowledge in the preparation of bid and construction issue documents and in managing construction administration and quality assurance activities.

Mr. Scheer has served as the lead design engineer and project manager for numerous lined Subtitle D municipal solid waste (MSW), construction and demolition debris (C&D), and industrial landfills. Typical project design and permitting experience on each facility includes the design of facility components (design of liner, final cover, and leachate management systems, LFG system design, stormwater analyses, geotechnical evaluations, and site layout and phasing), preparation of permit documents and coordination/interface with regulatory agencies, and the coordination/supervision of staff engineers, civil designers/draftsmen, and subconsultants. Typical project construction experience includes the preparation of bid and construction issue documents (specifications, CQA manuals, drawings, bid forms, etc.), managing bid procurement, performing construction administration, managing CQA activities, and preparation of CQA reports.

Mr. Scheer routinely performs construction and operations cost estimates and economic forecasting/financial analysis for both public and private clients.

He has significant experience with waste geotechnics (slope stability, settlement, etc.) and the design and construction of piggyback (over waste) liner systems. Mr. Scheer has also performed eighteen alternative liner evaluations throughout the Southeast/Mid-Atlantic.

Mr. Scheer also has significant experience with landfill gas (LFG) collection and control systems and pipelines. This experience includes design, permitting, bid procurement, and construction services (administration and CQA) for numerous wellfields and blower/flare stations. His pipeline experience includes design and obtaining all approvals for a cased pipeline installed within a railroad right of way.

He worked on the remedial design for a Superfund site involving the redesign of a cover system on an old municipal landfill and the development of a plan to consolidate and cap several areas of old waste. This successful project followed EPA's presumptive remedy for remediation of old MSW landfills.

Mr. Scheer serves as S+G's quality control/quality assurance (QC/QA) manager. He was the principal author of S+G's QC/QA Manual (first edition completed in 2015) and is in charge of performing regular company training related to internal QC/QA processes and overall work flow. Mr. Scheer also routinely reviews and updates company standard documents and templates.

Mr. Scheer has co-authored several papers and performed a number of presentations for industry conferences in his career.