

## QUINN ALBERTSON, STAFF PROFESSIONAL

### Education

BS – Environmental Systems Engineering, Penn State University, 2017



### Professional Experience

Ms. Albertson is responsible for working on SMM projects, Solid Waste Studies, Solid Waste Facilities and Financial Planning related projects at the SCS Richmond, VA office. She supports environmental engineering projects related to Clean Air Act permitting, compliance, regulatory reporting, and construction quality assurance (CQA) as well as landfill gas modeling and pollutant emission inventories at solid waste management facilities. Examples of her project experience include:

**Wake County, NC Solid Waste Management Division** - Proposing waste diversion and reduction strategies to extend the life of the South Wake Landfill, including organic waste management (including source reduction, collection strategies, and treatment facilities options, reuse efforts, policy, recycling initiatives, etc. Small benchmarking studies, life of landfill calculations, and research on regional solid waste culture were conducted as part of the study.

Work for Wake County also includes wellfield CQA and design using AutoCAD, flare data collection and analysis, and Clean Air Act compliance reporting.

**Rappahannock Regional Solid Waste Mgmt Board (R-Board), VA (Stafford Co/Fredericksburg)** - Evaluated the efficiency and finances of R-Board's Landfill and facilities. Offered suggestions regarding contract language and fairness of the agreement forming the Authority and contract with the Landfill Waste-to-Energy Plant. Created a pro forma financial model to predict tip fees from current budget data.

**Bedford County, VA Transfer Station Permit Update** – Analyzed existing Transfer Station permit, using regulations and site conditions to update Permit language and content as needed.

**Orange County, NC Preliminary Mechanical Biological Treatment Feasibility Study** – Researched European company Entsorga's solid waste treatment technology, focusing on process review, financial viability, and compatibility with Orange County. Assessed potential risks of implementing the new system and potential feed stocks and end markets.

**Rockbridge County, VA, Solid Waste Department** – Used AutoCAD software to develop landscaping, signage, surfacing, and equipment detail specifications for County recycling center upgrade. Interpreted and applied state and local regulations for the design process.

**Town of Chapel Hill, NC, Solid Waste Collections Routing and Technology Study** – Evaluated potential technology and routing strategies for the Town's Collections fleet, considering costs and benefits of vehicle automation, RFID technologies, and routing software.