KENNETH E. ARMENTROUT, PE

Education

B.S. – Civil Engineering, Virginia Military Institute, Lexington Virginia, 2001

Professional Licenses

Professional Engineer, VA license no. 043843

Professional Experience

Mr. Armentrout is a Project Manager and has been at SCS Engineers for approximately 10 years. He has been the Project Engineer for a variety of engineering projects involving Transfer Stations, Household Hazardous Wastes, Landfill design and LFG-to-energy. His particular expertise in civil design and land development has allowed him to successfully provide these services to a variety of design projects. Mr. Armentrout is also a SWANA accredited Technical Associate for the Managing Transfer Stations course. Examples of his project experience include:

Transfer Station/Facilities

Rockingham County, VA, Rockingham County Landfill Entrance and Citizens Convenience Center. Project Engineer for the design of a new landfill entrance and citizens convenience center. The facility was designed to handle the County's expected increase in waste volumes, and provide adequate space for residents to drop waste and recyclables. Space for compactors, and rear load trailers was also provided, along with office and administrative space.

Prince Georges County, MD, Western Branch Composting Facility. Project Engineer for the design and construction of a 12 bunker aerated static pile composting facility. The facility was designed to convert yard and food waste into compost for sale by the County. This ASP system expedites the process of producing compost and the only system of its type in the County.

Howard County, MD, Alpha Ridge Transfer Trailer Parking Facility. Project Engineer for the design of a transfer trailer facility for the County Transfer Station and Expansion. The parking facility was designed to adequately contain and separate trailer leachate, as well as address the updated Maryland SWM regulations.

City of Prescott, AZ, Sundog Transfer Station Tipping Floor Remediation. Project Engineer for the design and evaluation of various alternative solutions for the rehabilitation / replacement of the existing transfer station tipping floor. The project also included scale and scale pit, load out floor, armoring and cantilever slab replacement.

Baltimore County, MD, Western Acceptance Facility. Project Manager for the evaluation and conceptual design of the transfer station expansion. This project included the evaluation of waste throughput capability, traffic queueing and floodplain mitigation measures.

Additionally, conceptual design of commercial vehicle and employee parking areas, and a new office facility was provided.

Montgomery County, MD, Shady Grove Transfer Station. Project Manager for the design and construction of a new fire detection and suppression system for the transfer station and facility maintenance building. The facility utilized both wet and dry pipe systems along with nitrogen generation equipment to prolong system life. In order to meet current NFPA standards, the facility was required to construct a new 240,000 gallon water storage tank and fire pump house to provide adequate water flow to the systems.

Landfill Projects

Rockingham County, VA, Rockingham County Landfill Phase 5A Expansion. Project Engineer for the design of a new landfill expansion. Phase 5A was the first cell built in what will ultimately be a 3 cell expansion. Cell 5A is approximately 25.80 acres and is composed of a geosynthetic clay liner (GCL), a 60 mil textured HDPE liner, and leachate collection geocomposite drainage net (GDN).

Shenandoah County, VA, Shenandoah County Landfill Phase 4 Expansion. Project Manager for the design of a new landfill expansion. Phase 4 is approximately 6 acres and is composed of a clay soil liner, a 60 mil textured HDPE liner, and leachate collection geocomposite drainage net (GDN). The leachate collection system for Phase 4 is connected to the existing Phase 3 system and will utilize the Phase 3 sump controls.

Frederick County, VA, Frederick County Landfill Partial Capping of Area 1, Phase 1 CDD Landfill. Project Engineer to provide CQA services to Frederick County during construction of a partial capping of their CDD landfill. Assisted the County and Contractor with interpreting design drawings, answering engineering questions, attending progress meetings, and reviewing all contractor submittals for compliance.

Prince William County, VA, Prince William County Sanitary Landfill Athletic Fields. Project Engineer for the design of athletic fields on a closed portion of the landfill. Surcharge was placed in the areas of the proposed athletic fields to maximize settlement prior to athletic field construction. Once it was determined that the site area had settled adequately, a drainage layer, irrigation system, stormwater management facilities, and erosion and sediment control measures were designed and constructed.

York, PA, Modern Landfill Annual Operations Reporting. Project Engineer for preparation of Annual Operations reports at Modern Landfill. Annual survey and waste tonnage data is used compile a report outlining remaining airspace at the landfill to help the landfill manage future filling operations.

Lebanon County, PA, Greater Lebanon Refuse Authority Landfill Closure. Project Engineer tasked with providing grading assistance to staff engineers working on the landfill closure project as needed.

Harford County, MD, Spencer's Rubble Landfill Closure. Project Engineer for the design of the capping and closure of the existing rubble landfill. The closure design also included ADA

compliant trails, parking facilities, and a dog park, with the ultimate end use of the property being utilized as a County park.