

D. BRANDON KING

Education

BS – Environmental Studies, Randolph-Macon College, 2004

Professional Licenses

HAZWOPER 40-hour certification

Professional Affiliations

Southwest Virginia Solid Waste Management Association
Vice President since 2017

Professional Experience

Mr. King is a Project Manager with experience in landfill and landfill gas (LFG) study, design, permitting, monitoring, and construction projects. Mr. King has performed and assisted in over 50 LFG control and remediation projects in Virginia, North Carolina, Israel, Russia, and India, including projects focused on LFG migration control, odor/emissions control, and regulatory compliance. He also has a variety of experience with landfill construction quality assurance (CQA), groundwater monitoring, environmental services/storage tanks, and RCRA investigations. Some examples of project experience include:

Dudaim Landfill, Beersheba, Israel.

Evaluation and recon of recently constructed LFG Collection System per SCS design, and field modifications to improve LFG collection. Trained field staff and AFIK consultants on proper balancing of the LFG Collection System to maximize 50 percent methane normalized flows in order to activate on-site LFGTE electrical generation project.

Shoosmith Sanitary Landfill, Chester, Virginia.

Performed SEM and odor monitoring and reporting. Preparation of the Title V Permit modification, ACC Certification, and Semi-Annual reports. Performed odor monitoring investigations and LFG system troubleshooting, design, and optimization studies to improve collection efficiency and odors. Conduct meetings with Shoosmith staff, review data, mentor, analyze, and prepare regulatory compliance correspondence.

Concord Turnpike Regional Landfill, Lynchburg, Virginia.

Performed CQA of perimeter migration control system installation. Performed monthly OM&M of the LFG blower and migration control system. Performed Tier 2 NMOC sampling events and managed project. Prepared annual emission statements and GHG monitoring reports. Designed, permitted, and managed installation of permanent LFG blower station serving the Unlined Landfill and perimeter migration control system. Mentor on-site staff to manage the LFG blower unit.

Region 2000 Regional Landfill – Livestock Road Facility, Rustburg, Virginia.

Developed Amended Design Capacity Report and Stationary Source and Title V permit applications. Conducted and managed Tier 2 NMOC events, annual emission statement and GHG monitoring reports. Odor monitoring assessment and investigation of the Phase III landfill. Project manager of design and CQA of the installation of a turnkey permanent LFG Collection System, including 21



vertical extraction wells, 9 leachate cleanouts, condensate sump, and 2000-scfm blower/flare station. Mentor on-site staff on management of LFG System.

New River Resource Authority, Cloyd's Mountain Landfill, Dublin, Virginia.

Prepared Title V Permit Renewal Application, CQA of LFG boundary monitoring probe installation. Performed LFG System evaluation and troubleshooting to reduce oxygen intrusion and increase LFG flow to on-site Ingenco plant over 15 percent. Mentor staff on management of LFG System.

Fluvanna County Landfill, Fluvanna County, Virginia.

Performed CQA of landfill closure activities: consulted surveying and geotechnical testing, oversaw and documented the County's contractor haul and compact various lifts of the intermediate, infiltration barrier, erosion, and topsoil layer of the Closed Landfill in accordance with the DEQ approved Landfill Closure CQA Plan. Oversaw and documented installation of erosion and sediment controls on the landfill and surrounding sediment basins and borrow areas. Oversaw and documented installation of 13 passive vents. Prepared exhibits and provided guidance for preparation of the Landfill Closure CQA report.

Bedford County Landfill, Bedford County, Virginia.

Managed Part A and Part B Minor Permit Modification of Facility Boundary and implementation of replacement LFG boundary probes. Conduct Annual GHG Emissions Reporting. Conduct pump test of leachate cleanouts with mobile blower/flare station to evaluate potential LFG Collection System. Design and manage installation of temporary LFG blower/flare station serving leachate cleanouts for LFG and odor control, and conduct OM&M of LFG System.

Glen Allen Softball Complex, Henrico County, Virginia.

Performed an emergency response LFG migration investigation of an old closed landfill, which is now a softball complex, when waste was uncovered during the trenching of a public water line. Managed and performed LFG probe installation and monitoring, interior methane monitoring, test pitting, ambient air sampling, LFG pump test, design and CQA activities of an active LFG Collection trench system.

Montgomery Regional Solid Waste Authority, Mid-County LF, Christiansburg, Virginia.

Performed quarterly LFG monitoring of boundary probes and interior structures, non-routine stormwater sampling. Managed O&M activities of a temporary LFG perimeter migration control system. Assisted SCS Field Services in construction activities such as replacing isolation valves, flare ignitor and thermocouple. Performed monthly monitoring and reporting to verify carbon credits with the Chicago Climate Exchange