



Steven B. Stansfield

Current Position

Sr. Principal

Profession

Geology, Hydrogeology

Years' Experience

30+

Joined MM&A

1990

Education

BS – Geological Sciences,
Virginia Polytechnic Institute
and State University,
Blacksburg, VA

Professional Registrations

OSHA 40 HR Health & Safety

OSHA Annual Refresher

MSHA Part 48 Hazard
Training

British Columbia Mine
Supervisor Certification

Summary of Experience

Mr. Stansfield conducts environmental, geologic and hydrogeologic investigations related to property sales, mining hydrology, landfill evaluation, industrial contamination, environmental site assessments, and investigations involved in litigation. He has directed numerous field investigations and authored or co-authored hundreds of reports related to environmental, geologic and hydrogeologic matters. He has a diverse background in an array of projects including, but not limited to site investigations involving alleged impact to water wells and/or surface water bodies from various industries; industrial contamination and remediation; all aspects of landfill hydrogeologic investigations and data evaluation (including implementation and usage of statistical procedures for determination of groundwater impact); coal reserve studies and hazards evaluations; and environmental site assessments. Results of many investigations are utilized in engineering design applications, including, but not limited to landfill cap design, disposal and handling of material likely to create adverse environmental conditions, remediation activities, and property sales/acquisitions.

Significant Projects

- > **Southern West Virginia/Southwest Virginia/Alabama:** Involved in Phase I Environmental Site Assessments for various coal companies, including site investigative work and report compilation per current ASTM standards.
- > **Southwest Virginia:** Planned, coordinated, and reported on potential environmental impacts of a proposed four-lane highway system.
- > **Eastern/Northern Tennessee:** Conducted Phase I Environmental Site Assessments, and implemented monitoring and enhanced bioremediation program at industrial facility.
- > **Northern West Virginia and Southwestern Virginia:** Extensively involved in permit application of landfills. Oversaw all field related activities that included core logging, monitoring well installation, monitoring program, aquifer testing, water sampling and interpretation of results. Performed a due diligence for a prospective buyer to purchase an industrial landfill facility and convert it to a solid waste facility.
- > **Northern and Northeastern West Virginia:** Managed all field activities related to landfill closure plan that included monitoring well installation, soil collection for geotechnical analysis, and water and landfill gas sampling. Involved in report preparation that assessed groundwater impact and landfill gas migration.
- > **Southwest Virginia:** Performed hydrologic investigations for landfill closures, including preparation of monitoring plans and statistical analyses. Oversaw all groundwater monitoring activities and report preparation. Performed successful alternate source demonstrations, corrective action plans, and corrective action monitoring plans; and communicated with regulatory agencies. Performed evaluations to request termination of post-closure care for industrial and solid waste landfill facilities to determine human health and environmental impact of termination.
- > **Southern West Virginia:** Oversaw numerous field activities related to the permit application for a 10,000 ton per-day private sanitary landfill.
- > **Virginia, West Virginia, Tennessee:** Managed numerous groundwater and surface water sampling activities at landfills, mining sites, underground storage tank sites, and industrial facilities.