

Senior Geologist

### **FIELDS OF EXPERTISE**

Landfills, Spill Assessment and Remediation, Environmental Geology, and Hydrogeology.

### **HIGHLIGHTS OF EXPERIENCE**

Mr. Andrew J. Sokol, P.G., CPG, is a geologist with over 19 years of consulting experience in geologic, hydrogeologic, geotechnical, and environmental related projects. Mr. Sokol currently provides project management and technical oversight on projects. He has been responsible for planning and conducting detailed geologic and hydrogeologic investigations as they pertain to the siting, design, permitting, construction and operation of municipal, residual and hazardous waste landfills. Additionally, he has supervised and conducted site characterization and assessment projects on petroleum and hazardous material contaminated sites throughout portions of the United States and Europe. Mr. Sokol also has detailed experience with Pennsylvania's Act 2 Land Recycling program and Pennsylvania's Underground Storage Tank Management program (Chapter 245) and has overseen the characterization of several sites across Pennsylvania using the regulations set forth within Act 2 and Chapter 245. He has attended the PaDEP Act 2 training seminars and is well versed in the application of the remediation standards available under Act 2. He has practical application experience with Act 2/Chapter 245 sites ranging from large scale petroleum releases to small residential petroleum spills, as well as the characterization of impacted industrial sites.

#### Project Management

- Provides technical and project supervision for environmental investigation projects.
- Responsibilities have included client and regulatory contact, scheduling of personnel and direction of resources, financial tracking, coordination of daily business and office activities and business development.
- Developed bid and specification packages for numerous investigative drilling and well installation projects.
- Provided experienced technical supervision on numerous geologic and hydrogeologic investigations related to landfill permitting, landfill compliance, environmental assessments and for petroleum and hazardous material contaminated site characterization projects.
- Assisted with the development and coordination of teaming agreements between various technical support suppliers, government agencies and independent consultants.
- Previously served as a technical project manager and operations manager for an environmental group at Fortune 500 Company that provided in-situ site characterization services for petroleum-impacted sites. The group developed and utilized an innovative laser induced fluorescence technology that was deployed from a cone penetrometer. Provided project management for over 50 projects conducted throughout the United States and Europe.

#### Geology/Hydrogeology

- Developed, implemented, and coordinated various field investigative programs, which have included multiple phase exploratory drilling projects, well, and piezometer installations and remedial actions for numerous types of landfill facilities and hazardous waste sites.
- Conducted multiple as well as single well pump and drawdown tests for the determination of site-specific aquifer characteristics.
- Experienced with the analyses of pump test, step test, and slug test hydrologic data.
- Developed groundwater and surface water sampling and analysis plans for various waste disposal

facilities and hazardous waste contaminated sites.

- o Developed groundwater, potentiometric surface, and contaminant plume contour maps, and hydrogeologic cross section diagrams.
- o Designed and installed public water supply wells.
- o Developed groundwater and surface water sample collection and handling protocols.
- o Conducted groundwater and surface water sampling at numerous hazardous waste sites and disposal facilities.
- o Developed detailed geological investigative plans for the permitting of proposed municipal, residual, and construction/demolition waste disposal facilities.
- o Experienced with the applied use of down hole geophysical well logging techniques.
- o Experienced with direct push technologies such as Geoprobe and Cone Penetrometer Test (CPT) methods and the facets of their environmental and geotechnical applications.
- o Conducted soil profile logging and characterization from shallow soil test pit excavations and deep soil borings.

## **EDUCATION**

B.S., Earth Science/Geology, The Pennsylvania State University, University Park, PA, 1989.

Graduate Courses towards M.S., Engineering Geology, Drexel University, Philadelphia, PA.

40-Hour Hazardous Waste Operations and Safety Training, 1991 (OSHA 29 CFR 1910.120).

8-Hour Hazardous Waste Operations Supervisor Training, 1995 (OSHA 29 CFR 1910.120).

Current Hazardous Waste Operations Refresher Course (OSHA 29 CFR 1910.120).

New Jersey State Regulatory Training in Underground Storage Tanks, New Brunswick, NJ, 1995.

Laser Safety Supervisor Training, Eagan, MN, 1994.

Nuclear Testing Equipment Training Course, 1990.

## **REGISTRATIONS**

Registered Professional Geologist, Pennsylvania (PG-003760-E)

Registered Professional Geologist Delaware (S4-0000974).

Certified Professional Geologist, American Institute of Professional Geologists (CPG #9738).

## **CONFERENCES AND SEMINARS**

"Hydrogeology of Fractured Rock: Characterization, Monitoring, Assessment and Remediation"

Fractured Rock Educational Services, Niagara Falls, NY December 2002

"Act 2 Land Recycling Program Client Workshop"

Department of Environmental Protection, Valley Forge, PA, May 2004

"A Client Workshop," Application of Pennsylvania's Land Recycling Program, Technical Manual,

Pennsylvania Department of Environmental Protection, Valley Forge, PA, October 1998

"Professional Geologist Review Course"

Pennsylvania Council of Professional Geologist, Harrisburg, PA April 1998

Assistant Presenter, Application of the Rapid Optical Screening Tool (ROST®) for Petroleum Contaminated Site Characterization, Air and Waste Management Association, Field Screening Methods for Hazardous and Toxic Chemicals Conference, Las Vegas, Nevada, 1995