

Project Geologist

### **FIELDS OF EXPERTISE**

Geographical Information Systems, Environmental Geology, Superfund Sites and Hydrogeology.

### **HIGHLIGHTS OF EXPERIENCE**

Mr. Michael Napolitan, P.G., is a geologist with over 9 years of consulting experience in geologic, hydrogeologic, geotechnical, and environmental related projects. Mr. Napolitan currently provides Geographical Information System (GIS) expertise, hydrogeologic modeling, project management and technical oversight on projects. Mr. Napolitan specializes in the utilization of technology to enhance project performance, visualize data, and foster project team understanding.

Mr. Napolitan started his career conducting seismic surveys along Louisiana's Gulf Coast. His responsibilities included management of subcontractors and field crew, data recording, quality control, and equipment management. Returning to Pennsylvania, Mr. Napolitan has worked for both a small engineering and environmental consulting firm and a large, multinational consulting firm. His primary duties have included well installation, sampling, database management, geotechnical field work, and landfill construction inspection. Working on EPA Region III RAC contracts, Mr. Napolitan was responsible for the geologic and hydrogeologic portions of site investigations and remedial activities. He prepared work plans, wrote geologic and hydrogeologic reports, developed subcontract documentation and scopes of work, and supervised all geologic field work.

#### Project Management

- Provides technical and project supervision for environmental investigation projects.
- Client and regulatory contact, scheduling of personnel and direction of resources.
- Developed bid and specification packages for numerous site investigation projects.

#### 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 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 hazardous waste contaminated sites.
- Developed groundwater, potentiometric surface, and contaminant plume contour maps, and hydrogeologic cross section diagrams.
- Developed groundwater and surface water sample collection and handling protocols.
- Conducted groundwater and surface water sampling at hazardous waste sites and disposal facilities.
- Experienced with the applied use of down-hole geophysical well logging techniques.
- Experienced with direct push technologies such as Geoprobe and Cone Penetrometer Test (CPT) methods and the facets of their environmental and geotechnical applications.

#### Geographic Information Systems

- Developed and implemented a GIS to store, query and display waste disposal data for a 200 acre landfill in southeastern Pennsylvania.
- Prepared and implemented a GIS to display and track sampling efforts for PA MS4 outfall monitoring programs in southeastern Pennsylvania.
- Developed a proprietary multi-county GIS for use in land development and water feasibility consulting projects.

**EDUCATION**

(In progress) M.S., Applied Geoscience, University of Pennsylvania, Philadelphia, PA.  
B.S., Earth Science/Geology, The Pennsylvania State University, University Park, PA, 1997.  
40-Hour Hazardous Waste Operations and Safety Training, (OSHA 29 CFR 1910.120).  
8-Hour Hazardous Waste Operations Supervisor Training, 2003 (OSHA 29 CFR 1910.120).  
Current Hazardous Waste Operations Refresher Course (OSHA 29 CFR 1910.120).

**REGISTRATIONS**

Registered Professional Geologist, Pennsylvania (PG-003975)

Registered Professional Geologist, Delaware (S4-0001199)