

EDUCATION

B.S. The Pennsylvania State University. 1993. Earth Science with a concentration in Geology.

Senior Thesis: “Lithology, Stratigraphy, and Structure of Roaring Spring, Pennsylvania.” Field study comprised of local geologic mapping, detailed mapping within quarry, a fault and fracture analysis and drill core analysis.

Continuing Education:

- ASTM Technical & Professional Training. 1997. “Environmental Statistics.” West Conshohocken, Pennsylvania.
- PA Department of Environmental Protection. 1998, 2002 “Workshop on Pennsylvania’s Land Recycling Program, Act 2.”
- Pennsylvania Department of Environmental Protection. January 28, 2004. Vapor Intrusion Guidance Training. Harrisburg, Pennsylvania.

Certification:

- 40-Hour Training for Hazardous Waste Operations and Emergency Response. January, 1995. NTH Consultants Ltd., Exton, Pennsylvania.
- Waste Site Worker Supervisory Training in Accordance with 29CFR 1910.120(e)(4). April 27, 2001.
- Hazardous Waste Site Worker Refresher Training (8 hours annually) in accordance with 29CFR 1910.120(e)(8), State College, PA.
- Mine Safety Training in Accordance with MSHA 30CFR Part 46, Training/Retraining of Miners. May 31, 2002, plus annual Miner Refresher Course.
- American Safety and Health Institute Approved Basic First Aid and Adult CPR Certification, plus annual re-certification.
- Permit-Required Confined Space Training, Including Entrant, Attendant and Supervisor Non-Entry Rescue. August 2, 2004.

EXPERIENCE

February 2001 to Present: *Project Hydrogeologist, Meiser & Earl, Inc., State College, Pennsylvania.* Completed projects including:

- Manage and conduct soil, geologic and hydrogeologic investigations for contamination projects under Pennsylvania's Land Recycling (Act 2) and Storage Tank Programs.
- Supervise exploratory drilling for ground-water development projects and contaminated site characterizations.
- Review water monitoring data for municipal waste landfills prior to regulatory submission.
- Performed constant-rate pumping test for the development of a Wellhead Protection Area (WHPA) for a municipal water supply.

June 1994 to February 2001: *Geologist, Blazosky Associates, State College, Pennsylvania.*

- Provided technical and project supervision for geologic and hydrogeologic investigations related to disposal site permitting and contaminated site characterization and remediation projects.
- Managed ground-water monitoring programs for municipal waste landfills and industrial facilities and contaminated site characterizations.
- Provided review, analysis and compilation of ground-water sampling data for regulatory submission.
- Prepared geologic and hydrogeologic permit forms for municipal, construction/demolition, and residual waste disposal sites in Pennsylvania and Ohio.
- Developed surface geology and structure maps, geologic cross-sections and isopach maps using lithologic, core boring and geophysical data. Developed ground-water and potentiometric surface maps.
- Prepared site characterization and remediation plans and final reports for the cleanup of contaminated sites under Pennsylvania's Land Recycling and Storage Tank Programs.
- Completed Phase I Environmental Site Assessments for real estate transactions, including historical reviews, field investigations and report preparation.
- Prepared and implemented ground-water monitoring plans, sampling and analysis plans and well abandonment plans for waste disposal and contaminated sites.

- Supervised exploratory work using air rotary, diamond core, and hollow stem auger drilling and direct push methodologies. Supervised the installation of monitoring wells, piezometers, methane gas probes and active landfill gas wells.
- Performed single well and multiple well drawdown and pumping tests and slug tests. Analyzed and interpreted pumping test and slug test data using ground-water modeling software to determine site specific hydrologic characteristics of aquifers.
- Utilized packer testing to determine ground-water producing zones and to perform discrete interval ground-water sampling.
- Applied information obtained from down hole geophysical methods to ground-water projects.
- Conducted ground-water and surface water sampling events for disposal and hazardous waste facilities, industrial site NPDES permitting and contaminated sites.
- Conducted soil sampling for site characterizations and attainment demonstration of cleanup standards.
- Performed in-situ hydraulic conductivity testing of compacted clay liners using the two stages of infiltration from a borehole.

PROFESSIONAL AFFILIATIONS

- National Ground Water Association, Association of Ground Water Scientists and Engineers.

PROFESSIONAL REGISTRATION

Commonwealth of Pennsylvania Registered Professional Geologist, No. PG-003803-E.