

EDUCATION

B.A. Lock Haven University. 2004. Environmental Geology.

Senior Paper: "The Leidy Dome". Natural Gas Production From The Oriskany Sandstone. Leidy Township, Clinton County, Renovo, PA.

Northwood School of Taxidermy. 2001. Licensed Professional Taxidermist.

Continuing Education

Pennsylvania Council of Professional Geologists. 2011. "Professional Development Seminar for Practicing Geologists and ASBOG Exam Candidates". Pittsburgh, PA.

The Pennsylvania State University. Fall Semester, 2009. "Introduction to Field Methods" (Geologic Field Mapping course; 3 credits). State College, Pennsylvania.

Pennsylvania Ground Water Association, Inc. 2009. Summer Field Conference. "Design and Installation of Geothermal Boreholes". Rock Springs, Pennsylvania.

National Ground Water Association. 2008. "Analysis and Design of Aquifer Tests". Dublin, Ohio.

The Nielsen Environmental Field School, Inc. 2006. "The Complete Groundwater Monitoring Field Course". Ohio State University, Columbus, Ohio.

Certification:

- Susquehanna River Coalition for Environmental Studies. "The Science of Marcellus Shale". January 29, 2010. Williamsport, PA.
- Charter Plastics. Polyethylene Pipe "Socket and Butt Fusion". June 12, 2009.
- Pennsylvania State University Cooperative Extension Workshop. "Economic, Environmental, and Community Impacts of Natural Gas Production". February 26, 2009.
- Waste Management. General Awareness Training. October 15, 2007.
- Pennsylvania One Call System, Inc., Web Ticket Entry Training. June 7, 2007.
- U.S. Department of Labor Mine Safety and Health Administration. "Hazard Training". March 2, 2007.

- Eichelbergers, Inc. “40 hour Hazardous Waste Operations & Emergency Response Site Worker Training.” August 11, 2005. Mechanicsburg, Pennsylvania.
- American Safety and Health Institute Approved Basic First Aid & Adult CPR. August 11, 2005, plus annual re-certification. Mechanicsburg, Pennsylvania.
- Hazardous Waste Site Worker Refresher Training (8 hours annually) in accordance with 29 CFR 1910.120(e) (8), State College, Pennsylvania.
- Mine Safety Training in Accordance with MSHA 30 CFR Part 46, Training/Retraining of Miners plus Miner Refresher Course. August 11, 2005.
- Permit-Required Confined Space Training, Including: Entrant, Attendant, and Supervisor Non-Entry Rescue. October 14, 2005.
- Newly Hire Experienced Miner Training Program. January 5, 2005. Lock Haven, Pennsylvania.
- Amec. 8 hr. safety orientation (along with weekly safety meetings). June 2004. Lock Haven, Pennsylvania.
- Amec. “Aerial Lift Operator.” June 28, 2004. Lock Haven, Pennsylvania.
- American Red Cross. “Community First Aid and Safety training course.” March 21, 1999.
- American Red Cross. “CPR For The Professional Rescuer.” April 29, 1999.

EXPERIENCE

August 2007 to Present: *Staff Geoscientist II, Meiser & Earl, Inc., State College, Pennsylvania.* Responsible for the completion of field and office work for landfill, water-supply, mining, and remediation projects, including:

- Preparation of hydrogeologic reports for ground-water applications.
- Evaluating statistical analyses of laboratory data.
- Conducting cumulative impacts analysis for ground and surface-water withdrawals for natural gas well development.
- Determining ground-water availability.

- Assisting with locating potential high-yield well sites by using fracture-trace analysis.
- Performing vulnerability analysis for stream evaluations.
- Designing, conducting, and managing ground-water monitoring programs for municipal and residual waste disposal sites, and contaminated site characterizations.
- Preparing PA DEP forms for regulatory compliance.
- Reviewing monitoring data prior to regulatory submission.
- Supervising exploratory drilling operations.
- Evaluating drilling data and preparing lithologic drill logs.
- Liaison with Regulatory Agencies.
- Estimating proposed drilling plan budget costs and material expenses.
- Preparing health and safety plans (HASP) for upcoming projects.
- Maintenance and equipment manager.
- Same duties included below.

July 2005 to August 2007: Staff Geoscientist I, accountable for:

- Hydrogeologic and geochemical investigations for: landfills, quarry permitting, surface and ground-water sampling and monitoring.
- Supervising and conducting constant-rate and step-draw down testing for aquifer analysis.
- Managing and performing soil sampling.
- Monitoring landfill gas.
- Supervising installation of piezometers.
- Performing geologic field mapping for landfill, water-supply, surface-mine development projects, and contaminated-site characterizations.
- Computer processing of field data, construction of geologic cross sections, iso-concentrations maps, water-table contour maps, interpreting plat maps, and preparation of surface and bedrock geology maps.

- Conducting residential water-supply inventory surveys, quarterly sampling of homeowners in the vicinity of proposed expansions, and executing water quality and quantity evaluations in the proposed area.
- Overseeing well decommissions and preparing well abandonment forms for regulatory purpose.
- Collecting and monitoring ground-water and stream data using computer software programs: Teloggers, In-Situ data loggers, pressure transducers, weirs, flumes, and environmental monitoring equipment.
- Sampling and monitoring ground and surface-water using various water-quality meters and sampling equipment.
- Administrating treatment systems.
- Supervising confined space entrees.

June 2004 to March 2005: *Electrician Helper. Amec, Lock Haven, PA.*

Responsible for performing many operational duties such as: installation and fabrication of conduit, terminating motors, disconnects, transformers, installing and wiring lighting fixtures, and operating equipment.

May 1997 to August 2000: *Lifeguard. Kettle Creek State Park & Youth Civic Center, Renovo, Pennsylvania.*

Responsible for maintaining pool stability, chemical analysis, pumps, chemicals, pool equipment, and supervising patrons.

Skills:

- Proficient in Microsoft Word, Excel, Power Point, and Outlook.
- Conduct ground-water modeling using computer model MODFLOW.
- Proficient in the use of computer software programs such as: In-Situ, Teloggers for windows, and Aqua-Star.
- Acquired experience using ArcGIS.
- Mechanically inclined.

Professional Affiliations

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