

Ethan Prout, P.G.

Senior Project Manager / Hydrogeologist



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Areas of Specialization

- Project, Program and Field Team Management
- Leadership and Team Building
- Environmental Assessment, Remediation and Permitting Strategy
- Soil, Sediment, Hydrogeologic and Hydrologic Assessment
- State and Federal Regulatory Support
- Applied Environmental, Health & Safety Management
- Regulatory and Technical Writing

Qualifications

- Master's Degree in Geology (Karst Hydrogeology focus) from Temple University
- Bachelor's Degree in Geoscience from Hobart College
- Registered Professional Geologist in PA
- Senior level environmental professional and manager with over 20 years technical, environmental leadership and management experience.
- Provide in-depth analysis and cost-effective solutions for an array of complex and multi-disciplinary environmental, compliance, regulatory, geologic/hydrogeologic and consulting challenges.

Education

B.A., Geoscience
Hobart College, 1997

M.A., Geology
Temple University, 2001

Registration/Certification

Registered Pennsylvania Professional Geologist (PG-003884)

PADEP Act 2 Land Recycling Program Training

Professional Project Management Training

NJDEP LSRP and Subsurface Evaluator/Closure Training

OSHA 40-hour HAZWOPER/30-hour Construction Safety and 8-hour Supervisory Training

Design Project and Engineering Training

Practical Loss Control Leadership Training

Waste Management/DOT Training

Safe Land USA On-Shore Training

Environmental Safety and Supervisor Course

Professional Memberships

Pennsylvania Council of Professional Geologists (Former PCPG Board of Directors 2011-2013 & Chair of the Education Committee)

National Groundwater Association

Geological Society of America



Overview of Professional Experience

Aviation Program/Project Manager for comprehensive environmental consulting services provided to international and domestic airport clients.

- Provided PPC/SPR/SPCC/NPDES and Clean Fill permitting, sampling, and continued compliance support. Environmental/Compliance Technical Lead for 5-year Environmental Services Contract.
- Lead geologist/hydrogeologist for multiple, on-going aviation and gasoline storage tank site characterization/remediation activities.
- Managed cultural resources/archaeological team and related NEPA/environmental permitting for proposed transportation hub expansion activities.

Project Manager/Technical Scientist for environmental and engineering services provided to international industrial manufacturing company.

- Air permitting, solid waste permitting, storage tank registration, basin dredging, and waste water treatment plant operation.
- Provided continued compliance support related to health and safety, environmental and engineering operations.

Senior Project Manager and Hydrogeologist for an array of federal and military environmental projects.

- Project Manager and lead field geologist/hydrogeologist for federal department (AFCEE, NAVY, USACE) projects under several 8(a) contract awards (e.g., MAES, HTRW).
- Performed site investigations/characterizations and led field team operations of remedial design for former military sites/unexploded ordinance (UXO) facilities in PA, MD, VA.

Provided effective and comprehensive environmental strategy, management and execution for baseline water quality studies, water sourcing for frac operations, permit compliance, and hydrogeological studies in Pennsylvania, Ohio and West Virginia serving oil and gas operators in the Marcellus/Utica Shale.

- Led project coordination for permitting natural gas hydraulic fracturing water sources in Northeastern Pennsylvania for oil and gas operators.
- Project/Program Manager and field geologist for hundreds of miles of temporary and permanent water lines throughout Western and Northeastern Pennsylvania, while leading primary engineering/geology/natural science team for all phases of construction permit compliance.
- Responsible for managing a team of Pennsylvania-licensed P.G.s and field technicians to oversee horizontal drill locations to ensure adherence to approved drilling techniques, specifications and materials for the installation of pipeline in Pennsylvania.



Overview of Professional Experience (continued)

Managed and led site investigation for the Asian Development Bank's development of wind energy facilities throughout Afghanistan. Evaluated the meteorological/environmental/engineering and political constraints for build-out possibilities across the country. Managed group of multidisciplinary staff in domestic, international, and military-based offices, and performed in-country coordination.

Provided strategic counsel and development assistance as part of site constraint analysis for proposed wind energy facilities in southern Mexico.

Responsible for overall technical execution (specifically geologic/hydrogeologic technical consulting) and stakeholder operations (NYSDEC/USEPA and residential/commercial/industrial entities) for remedial characterization of groundwater contamination and identification of TCE/PCE sources across Long Island, NY.

- Conducted surface and subsurface investigations, risk assessments, soil boring and monitoring well installation, groundwater sampling, surface water and sediment sampling, and aquifer testing.
- Led field team operations to ensure sampling integrity and compliance with NYSDEC and USEPA regulations and field sampling plans. Co-managed and monitored project/team performance and profit/loss for multi-million-dollar federal remedial action.
- Prepared and implemented conceptual site model from MIP sampling (USEPA Triad methodology); evaluated and interpreted geologic and hydrogeological contaminant data, prepared field reports and was liaison with the USEPA.

Performed environmental due diligence, site assessments, site characterizations, hazardous and residual waste reporting, EH&S, RCRA permitting.

- Performed geologic and hydrogeologic site characterization activities, and related reporting, for historic manufactured gas plant sites in southeastern PA and NJ.
- Successfully led Department of Defense and commercial/industrial environmental projects.

Managed multi-disciplinary team that performed environmental/geotechnical studies, engineering and permitting of wind farms across the continental United States. Tasks included responsibility for project profit and loss and team/group management.

- Project manager and lead field geologist for wind farm development in pre-construction stages, and technical writer for EIS/NEPA permit documents for state and federal review prior to construction.
- Managed group that performed post-construction related permit compliance (avian/bat studies, NPDES, SPCC, CWA, cultural and wetland resources).



Overview of Professional Experience (continued)

Lead field geologist/hydrogeologist. Performed site investigations from initial assessment to successful implementation and remediation, while concurrently instituting project budgetary and cost oversight for a national energy company. Mentor/field team leader for junior and field geologists and associated scientists.

- Prepared Groundwater Remedial Investigation Workplans including detailed site characterization activities, associated aquifer testing, and remedial design / implementation.

Lead project hydrogeologist for 30-year old joint USEPA/USACE/NJDEP preliminary design investigation report, and field team supervisor for junior geologists/biologists.

- Successfully characterized dissolved chlorinated solvents in a fractured gneiss and dolomite aquifer and assisted in preparing specifications for a combined in-situ remediation/groundwater pump and treat system.
- Prepared the Vapor Intrusion Sampling Workplan and managed VI field team activities in order to establish and confirm the presence/absence of vapor intrusion.

Performed Phase I/II site investigations, geologic mapping, soil boring investigations, monitoring well installation activities, groundwater sampling, aquifer testing, groundwater modeling, and characterization and remediation of contaminated commercial and industrial properties in PA, NJ, NY and DE.

- Coordinated and performed regulatory negotiations with USEPA/PADEP/NJDEP and other state and federal regulatory agencies; performed ecological assessments, data collection and evaluation; and prepared technical reports.
- Acted as lead environmental scientist and assessor for environmental investigations and remedial actions (baseline ecological and fate and transport modeling), wetland evaluations, solid waste and construction/demolition landfill environmental consulting and environmental permitting (solid waste, air, investigation and RCRA/CERCLA/EH&S).
- Performed hundreds of Transaction Screen Environmental Assessments, ASTM Phase I Environmental Assessments, and NJ DEP Preliminary Assessments for private, commercial, federal and public clients.



Publications and Presentations

- May 2014 *Regulations on the Rise: New West Virginia Regulations Protect Water Supply*
(Co-Author on article for Midstream Business)
- November 2010 *The Marcellus Shale Gas Play*
(Delaware Valley College – Short Course Instructor)
- Integration of Renewables in Community Energy Supply and Planning*
(Lancaster County Supervisors Convention, New Holland, PA)
- May 2010 Accepted Poster at American Wind Energy Association: *Siting and Development of Wind Energy Facilities in International War-Torn Countries*
(AWEA, Dallas, TX)
- September 2007 *Tracer Testing and Transport of Colloids and Sediment in Karst Systems* (NGWA/
USEPA Fractured Rock Conference, Portland, ME)
- November 2001 *Seasonal and Storm Response of Sediment Transport in a Karst System*
(GSA Symposium, Boston, MA and Master's Thesis)

