

Joseph P. Kraycik, P.G., CQA

Senior Project Manager



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Areas of Specialization

- Environmental due diligence and risk analysis including Phase I, II, III environmental site assessments (ESAs), and US EPA All Appropriate Inquiry (AAI)
- Voluntary cleanup programs, land recycling, property transactions, and brownfields redevelopment projects
- US EPA Brownfield Assessment, Revolving Loan Fund (RLF), and Cleanup Grant implementation
- Quality oversight including third-party field auditing and inspection
- U.S. Army Corps of Engineers and Federal Superfund projects
- Development of site conceptual models
- Litigation support
- Sediment assessment and remediation
- Risk-based corrective action decision making
- Contaminants of emerging concern - policy and assessment
- Grant writing

Overview of Professional Experience

- Professional Geologist with more than 25 years of environmental consulting experience.
- Effective and successful project/people manager who has been recognized with four prestigious brownfield redevelopment excellence awards for public and private projects in EPA Region 3.
- Managed numerous US EPA and State Grants on behalf of clients throughout the northeast and mid-Atlantic with an emphasis on best practices for establishing sustainable assessment and redevelopment programs.
- Extensive and specialized experience in brownfields redevelopment and community revitalization with a proven track record of progressing sites from investigation through redevelopment.
- Certified Quality Auditor with expertise in third-party field auditing and inspection of environmental sampling and remediation activities, preparation of project control documents, and training programs.
- Leader in projects related to PFAS and other emerging contaminants including assessment and risk analysis.

Education

MA, Earth Sciences, University of Northern Colorado, 1996

BA, Geo-Environmental Studies, Shippensburg University of Pennsylvania, 1993

Registration/Certification

New Hampshire Licensed Professional Geologist, License No. 122

American Society for Quality, Certified Quality Auditor (CQA), Certification No. 46625

Transportation Worker Identification Credential (TWIC), Valid through March 2026.

OSHA 29 CFR 1910.120 40-hour HAZWOPER Training, 1996 and annual updates.

Affiliations

Brownfield Coalition of the Northeast (BCONE) - Board of Directors, Member

American Institute of Professional Geologists (AIPG) - Pennsylvania Section Secretary, Member

American Society for Quality - Member

Awards

2022- EPA Region 3 Phoenix Award
Knitting Mills Redevelopment Project, Wyomissing and West Reading, PA.

2011- EPA Region 3 Phoenix Award
Philadelphia Wholesale Produce Market Project, Philadelphia, PA.



Select Projects - Brownfields and Voluntary Cleanup

- **Brownfield Assessment and Redevelopment Program, Redevelopment Authority of the County of Montgomery (MCRDA), Montgomery County, PA (2011-2024)** - Project Manager responsible for implementing multiple EPA Revolving Loan Fund and Assessment Grants. Services included assessment, site inventorying, remediation and reuse planning, community outreach and engagement, remedial oversight, assistance with the preparation of loan documents, and required financial and progress reporting. Assisted MCRDA with developing a successful brownfields program that focused on a systematic process which utilized public funding to assess properties, develop remediation and reuse plans, engage the community, and then provide cleanup funding through RLF grants and other sources such as RLF program income, state grants, and private equity. A critical component of this program was marketing/advertising of the program and educating developers, property owners, and municipalities about program specifics. Responsible for the preparation of grant applications on behalf of MCRDA that resulted in more \$3.75 M of funding for environmental assessment and cleanup at brownfield sites in the county.
- **EPA Brownfield Assessment and RLF Grant Implementation - Multiple Sites and Grantees (2018-2024)** - Project Manager responsible for overseeing and implementing various tasks as the project Qualified Environmental Professional (QEP) for assessment and RLF grants. Clients have included SEDA-COG (PA), City of Waynesboro (VA), the Central Virginia Planning District Commission, Wayne County (NY), and the Northeastern Vermont Development Association. Primary tasks included Phase I and II ESAs, project progress reporting, participation in community and steering committee meetings, and remediation and reuse planning. Responsible for the preparation of the EPA-required Cooperative Agreement Work Plans, community engagement plans, field sampling plans (FSPs), program-wide Quality Assurance Project/Program Plans, and health and safety plans.
- **Knitting Mills Redevelopment, Wyomissing and West Reading, PA (2015-2022)** - On behalf of Equus Capital Partners, managed the environmental due diligence and remedial actions at the 53-acre former Vanity Fair Outlet complex, which was remediated under Pennsylvania's Land Recycling/Voluntary Cleanup Program (Act 2) as part of the redevelopment. The project was recognized with the Region 3 Phoenix Award at the 2022 National Brownfields Conference and has led to extensive job creation and economic benefits for the Boroughs of Wyomissing and West Reading.
- **Philadelphia Wholesale Produce Market (PWPM) Redevelopment, Philadelphia, PA (2005-2010)** - Designed and managed the assessment and remediation of a former salvage yard and illegal dumping site that was redeveloped as the PWPM. As part of the Act 2 process, prepared and submitted deliverables including a Remedial Investigation Report, Cleanup Plan, and Final Report that were approved by the Pennsylvania Department of Environmental Protection (PA DEP). An Act 2 release of liability was subsequently granted for this site. The PWPM project was recognized with the US EPA Region 3 Phoenix Award and a Brownfield Renewal Award for Economic Impact in 2011.
- **City of Lancaster and the Lancaster County Planning Commission, Brownfields Assessment Program, Lancaster County, PA (2004-2013)** - Served as Project Manager responsible for coordinating and implementing Phase I and Phase II ESAs at multiple project sites throughout the county. Work was funded through a series of EPA Brownfields Assessment Grants. Several of the individual projects received awards including the Roberto Clemente Park assessment and cleanup that was recognized with a 2005 Phoenix Award for community impact. Project included 26 Phase I ESAs and 12 Phase II ESAs.
- **Former Dry Cleaner Site, Williamsport, PA (2005-2018)** - Managed the investigation and remediation activities at a former dry cleaner site in Williamsport, Pennsylvania on behalf of a real estate investment trust where soil, groundwater, and indoor air quality were impacted by a release of chlorinated ethenes. Remedial activities included the design, installation, and operation of a soil vapor extraction (SVE) system and *in-situ* groundwater bioremediation program. The project was conducted under Pennsylvania's Act 2 program. Demonstrated attainment of a remediation standard and received liability protection PA DEP for soil and groundwater.



Select Projects - Quality Oversight and Auditing

- **Hudson River PCB Superfund Site, Hudson Falls, NY (2009-2024)** - Quality Assurance (QA) Auditor for General Electric's Hudson River PCB Superfund Remedial Action Monitoring Program (RAMP). Conducted third-party field audits of monitoring consultants during sediment remediation (dredging) and post-remediation, long-term operations and maintenance. Audited activities included sediment, surface water, biological (fish), and air (particulate) monitoring. Conducted technical reviews of project control documents including sampling and analysis plans and SOPs.
- **Tennessee Valley Authority (TVA), Fly Ash Recovery Project, Kingston, TN (2009 - 2015)** - Key QA Team member, provided third-party quality assurance oversight services in response to the TVA release of over a billion gallons of fly ash slurry to the Emory, Clinch, and Tennessee Rivers in eastern Tennessee. Oversight of multi-media sampling including groundwater, surface water, soil, sediment, fly ash, waste materials, air, and various biological specimens. Also assisted with the preparation of over a dozen sampling plans and over 40 SOPs used by the field sampling teams.
- **Deepwater Horizon Gulf of Mexico Oil Spill Response (2010 - 2012)** - Member of the third-party QA team. Responsibilities included project control document preparation and field documentation reviews.

Select Projects - Federal Projects

- **New Bedford Harbor Superfund Site, New Bedford, MA (2000 - 2003)** - Quality Control Manager responsible for implementing the US Army Corps of Engineers three-phase inspection system. Coordinated the inspection of work elements, ensured compliance with project control documents, and instituted corrective actions on various projects associated with the remediation of PCB-impacted soils and sediment from New Bedford Harbor and the Acushnet River.
- **Rocky Mountain Arsenal Superfund Project, Commerce City, CO (1998 - 2000)** - Geologist/QC Inspector responsible for the oversight of subsurface investigation, monitoring well installation/abandonment, and sample collection. Performed construction management and QC inspections during construction of on-site, double-lined hazardous waste landfill, wastewater treatment plant, and associated infrastructure and remediation projects.
- **Shattuck Chemical Superfund Site, Denver Radium Site Operable Unit 8, Denver, CO (1996 - 1997)** Laboratory Manager/Field Engineer. Operated and managed the on-site geotechnical field laboratory to support impacted soil processing. Conducted air monitoring (TSP and RAS-1), radiological testing, environmental sampling, and oversight during the construction of a soil-cement monolith and clay cap system to immobilize soils impacted by historical uranium processing activities.
- **Silver Bow Creek/Butte Area Superfund Site, Butte, MT (2018 - 2024)** - Conducted field auditing of Atlantic Richfield Company consultants during soil and dust sampling throughout the city of Butte, Montana to evaluate metals impacts associated with historical mining operations. Also performed technical reviews of SOPs and field documentation, and conducted consultant training.

Select Projects - Emerging Contaminants

- **Confidential Oil and Gas Client (2023 - 2024)** - Assessment of process and produced water for PFAS.
- **Confidential Industrial Client (2024)** - Assessment of on-site fire fighting foam for PFAS content.
- **Confidential Legal Client (2020 - 2024)** - Municipal water supply sampling in Maryland and Delaware to evaluate the presence and concentrations of PFAS in support of litigation.



Select Projects - Sediment Investigation and Remediation

- **Confidential Client, PCB-Impacted Sediment Site, Lower Hudson River, NY (2004 - 2009)** - Provided consulting services for a complex remedial investigation/design project involving the removal of contaminated sediments from the Lower Hudson River. Conducted field audits of sampling activities, data evaluation, 3-D modeling, volume and mass calculations, and remedial cost estimating.
- **City of New Bedford, MA (2003 - 2004)** - Managed work orders providing engineering and environmental services to the City for navigational dredging projects. Scope of services included marine investigations (geotechnical drilling, sediment sampling, and bathymetric surveys), engineering design for dredging and dredge material disposal, regulatory agency/client interface, subcontractor management, and cost estimating.
- **Sediment Investigation, Confidential Client, Queens, NY (2019)** - Managed a large-scale sediment investigation of a tributary to the East River on behalf of a responsible party to support litigation and cost allocation negotiations. Performed/managed sediment sampling, processing, analytical laboratory coordination, data evaluation, 3-D visualization, and reporting.

Select Presentations and Publications

- Kraycik, J. P., J. Spergel, P. Lee-Clark. **Fighting an Uphill Battle in Pottstown**. Pennsylvania Brownfields Conference. State College, PA. March 27, 2024.
- Kraycik, J. P., J. Gross, M. Maddigan. **Cooperation, Teaming, and Timing: A Region 3 Phoenix Award Case Study**. Northeast Sustainable Communities Workshop. Worcester, MA. September 19, 2023.
- Kraycik, J. P., R. Swanson, S. Spielberger. **The Synergistic Effect of Using Multiple Grants to Facilitate Project Success**. National Brownfields Conference. Oklahoma City, OK, August 18, 2022.
- Kraycik, J.P. and L.J. Dupes. **The Dirty Dozen: 12 Ways Your Environmental Data Might be Flawed**. Alaska Miners Association Annual Convention. Anchorage, AK, November 8, 2016.
- Kraycik, J.P, D. R. Blye, and R.G. Gibson. **Hudson River Dredging Project: Promoting Continuous Improvement through Field Auditing**. American Institute of Professional Geologists Annual Conference. Santa Fe, NM, September 12, 2016.
- Kraycik, J.P. and G.L. Kirkpatrick, **Geologic and Hydrogeologic Setting Influences on Contaminated Site Characterization and Remediation**. American Institute of Professional Geologists 50th Annual Conference. Broomfield, CO, October 24, 2013.
- Kraycik, J.P., S.D. Brower, R.J. Vitale, and W.J. Rogers. **Evaluating Anomalous Surface Water Lead Results Associated with the TVA Kingston Ash Recovery Project**. The Professional Geologist, Volume 50, No. 2, March/April, 2013.
- Kraycik, J.P., S.D. Brower, R.J. Vitale, and W.J. Rogers. **Creating Legally Defensible Data: A Large-Scale Emergency Response Case Study**. 5th International Symposium on Contaminated Sediments Restoration of Aquatic Environment, Montreal, QC, May 23-25, 2012.
- Kraycik, J.P. and G.L. Kirkpatrick. **Comparison of In-Situ Groundwater Bioremediation Technologies at a Dry Cleaner Release Site**. The Sixth International Conference on Remediation of Chlorinated and Recalcitrant Compounds. Monterey, CA, May 19-22, 2008.

