

Senior Staff Scientist

FIELDS OF EXPERTISE

Environmental Site Assessments, Environmental Geology, Building Materials Inspection, Field Services, Soil & Groundwater Remediation, Landfill Services

HIGHLIGHTS OF EXPERIENCE

Mr. Fisher has over 16 years of experience in the management of a wide variety of environmental and land development projects. His primary areas of expertise include property development investigations, brownfield development, inspections for the presence of asbestos containing materials, lead-based paint, mold and indoor air hazards. His experience includes all aspect of data collections, report preparation, client maintenance and government regulatory agency negotiation. He has trained co-workers, prepared reports, tracked budgets and client management and development. His experience includes hollow stem auger, air rotary, mud rotary, roto-sonic, vibra-push and direct-push drilling techniques to investigate a wide variety of contaminants in soil and groundwater. Relevant experience includes lithologic logging and aquifer testing, including use of single-point packers, slug and recovery testing and long-term pumping tests to provide data needed to identify water bearing zones and hydraulic properties of aquifers. Below is a sampling of Mr. Fisher's key project experience.

- Multi-Site Due Diligence Assessment: Performed and managed concurrent Phase I ESAs at 25 proposed telecommunications towers as part of a Greater Philadelphia Region Build-out both along the Pennsylvania Turnpike and in Camden, New Jersey. The investigations included raw undeveloped and industrially-developed land. These expedited assessments were completed within approximately three weeks to allow Site Acquisition Specialists time to evaluate lease agreements.
- Telecommunications Due Diligence Assessment: Performed Phase I and Phase ESAs, asbestos and lead-based paint inspections and NEPA compliance studies at raw land and proposed antenna co-location facilities in conformance with the Federal Communication Commission (FCC) National Programmatic Agreement (NPA) as part of the Connecticut and New York Metropolitan build-outs on behalf of AT&T Wireless and their General Contractor. Retained and communicated with ecological and cultural resource contractors to resolve areas where adverse effects were determined by state and federal regulatory agencies.
- Auto Dealership Investigation: Conducted Phase I and Phase 2 ESAs at dealership properties located in Pennsylvania, New Jersey, New York and Connecticut. Follow-up environmental services included UST closure and in-ground hydraulic hoist equipment removal.
- Electric Utility Company Investigation: Performed and managed Phase I and Phase 2 ESAs at approximately 20 electric utility-owned facilities located in Pennsylvania, Delaware, New Jersey and New York. Utility-owned facilities include undeveloped land, substations, service and maintenance facilities, as well as fossil-fuel-fired and decommissioned nuclear power generating stations.
- Asbestos Abatement Monitoring: Performed field observation and third-party air monitoring for asbestos abatement of 180-unit low income housing. Performed on site asbestos fiber analysis and collected samples for off-site clearance analysis to confirm the abatement contractor was employing proper abatement techniques to remove friable and non-friable asbestos containing materials. Responsible for documenting abatement contractors work practices, discontinuing abatement when work practices were not followed and reporting of abatement activities to the General Contractor and City of Detroit.
- AHERA Asbestos Management Services: Prepared an initial AHERA Management Plan for Germantown Settlement Charter School, located in the Philadelphia Archdiocese jurisdiction. Responsible for client development budgetary management and Management Plan preparation. Performed a three-year AHERA re-inspection and lead-based paint inspection and risk assessment for St. Hedwig School, located in Chester, Pennsylvania.

- Mold Abatement: Field Team Leader for removal of visible mold contaminated building materials from ten senior citizen apartment units in the city of Philadelphia arising from a leaking roof system. Coordinated the relocation of several tenants during a three-week project duration. Responsible for collection of post-removal air and surface microbial sampling.
- DNAPL Investigation at Weapons Manufacturing Facility: Served as a Field Geologist conducting rotosonic drilling contractor oversight to delineate the extent of trichloroethylene and degradation byproducts in groundwater from a former weapons manufacturing facility to a surrounding residential community. Responsibilities included packer testing and assistance with lithologic logging of soil cores to identify the vertical extent of contamination. Evaluated packer test data to determine zones of permeability.
- Environmental Sampling & Analysis for Lead: Responsible for collection and analysis of thousands of soil samples during excavation of soil from industrial and residential properties in suburban Scranton, Pennsylvania that was contaminated from historic smelting operations. Calibrated and operated portable field X-ray Fluorescence atomic absorption (XRF) instrument that was statistically compared with EPA field XRF and fixed-base laboratory results, which allowed for uninterrupted remediation effort. Conducted investigation of household interiors for the presence of lead hazard and ACMs inside households within the affected community. Performed XRF analysis of soil samples and managed the production rate of ex-situ soil stabilization that was selected as the remedial option at a former battery crushing and smelting plant in Savannah, Illinois.
- TCE Groundwater Investigation & Remediation: Performed file reviews and personal interviews with property employees of a former metal fitting manufacturing facility to identify potential source of TCE and degradation byproducts found in offsite wells. Conducted geophysical investigation to identify several potential sources of contamination. Supervised and directed drillers in direct push and auger drilling to identify the extent of contamination. Assisted in the installation of an air sparge system, maintenance of a pump and treat system and monthly reporting of a permitted NPDES discharge from the treatment
- PCE Risk Assessment for PA Act 2 Attainment: Managed the investigation and risk assessment used to obtain Act 2 liability protection for PCE and degradation products in groundwater resulting from a former dry cleaner. Duties included sealing the source, drilling and lithologic logging of soil borings, installation of permanent well network and quarterly sampling.
- PA Act 2 – Site Characterization and Cleanup: Managed soil and groundwater investigations that were conducted to supplement investigations and remediation conducted by three previous consultants. Prepared and submitted a Site Characterization, Risk Assessment, and Final Report to the PADEP demonstrating attainment of Site-Specific Cleanup Standards for metal and volatile organic contamination at a former metal fabrication and casting facility located along the Delaware River Waterfront that allowed for redevelopment by a national real estate development corporation.
- Hydrogeologic Investigation for Community Water Supply: Conducted a Groundwater Resource Study and identified the optimum location for installation of a community supply well serving a proposed 127-home development capable of a 78-gallon per minute yield. Contracted and observed drilling and installation of the well, performed short-term and long-term aquifer testing, to measure and minimize potential drawdown effects on nearby wells. Prepared a hydrogeologic report and permit application to the PADEP Bureau of Water Quality
- Urban Redevelopment of USEPA Brownfield Pilot Program: Performed oversight of demolition of an industrial building in imminent danger of collapse and conducted a geotechnical and environmental investigation of concerns associated with filling of the Site in North Philadelphia with coal ash. Prepared and submitted a remedial investigation, risk assessment and cleanup plan to obtain liability protection under provisions of Act 2 for proposed retail redevelopment as an integral part of Philadelphia's 5th Street Corridor.
- Urban Redevelopment of Commercial Property: Managed the investigation of several environmental concerns identified through Phase I ESA at a commercial zoned property in Ewing, New Jersey,

including leaking ASTs, leaking USTs, a septic leach field, floor drain discharges, ACMs, surface water contamination and municipal waste dump. Provided third-party oversight of remediation being conducted by another consultant under a Memorandum of Agreement (MOA). The investigations and remediation was successful in obtaining a Site-wide No Further Action (NFA) determination from the NJDEP and allowed for redevelopment of the steel fabrication property to a home improvement center.

- Landfill Construction Quality Assurance: Conducted monitoring of ambient air for worker safety and conducted construction quality assurance testing of landfill cap cover soil for the United States Army Corps of Engineers (USACOE) under Level B personal protective equipment. Directed workers and informed the contractor of inconsistencies with USACOE specification.
- Landfill Services: Special waste coordinator, pre-approving generators to accept residual waste, check analytical data, PADEP forms, special waste forms prior to submitting for approval. Daily operating record. Notification and communication with generators for annual update. Leachate flow tracking and sampling of containment system. Process wastewater sampling. Monthly odor letter reports. SARA Title II reporting. Stormwater sampling for NPDES permit compliance. Gas well installation.
- Landfill Expansion: Hydrogeologic investigation for landfill cell expansion; monitoring well installation, pumping tests, groundwater flow characterization.

CERTIFICATIONS

Licensed New Jersey Department of Environmental Protection - Subsurface Evaluator
Licensed Professional Geologist - State of Tennessee
Certified Asbestos Hazard Emergency Response Act (AHERA) Building Inspector/Management Planner
Licensed Building Inspector/Management Planner – PA Department of Labor & Industry
40-hour Hazardous Waste Operations (HAZWOPER) Training
Certified Troxler Nuclear Density Gauge

EDUCATION

Bachelor of Arts–Geography, Geology Minor, Millersville University, Millersville, Pennsylvania, December 1988

CONTINUING EDUCATION/TRAINING

Regulatory Training in Underground Storage Tanks - Rutgers University
Asbestos Occupations Training- Allsafe Environmental, Inc.
Phase Contrast Microscopy Certification - NIOSH 582 Equivalency Training