



PROFESSIONAL PROFILE



Jason B. Flagg, PE, CHMM

Technical Director

CONTACT INFORMATION

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EDUCATION

MPA, Environmental Policy and Natural Resource Management, Indiana University at Bloomington
MS, Environmental Science, Indiana University at Bloomington
BS, Environmental Engineering, Syracuse University

PROFESSIONAL LICENSES

Professional Engineer in NJ
Certified Hazardous Materials Manager

EXPERIENCE SUMMARY

Technical Director – Roux, Logan Township, New Jersey; Senior Project Manager – Langan Engineering and Environmental Services, Inc., Parsippany, New Jersey; Project Engineer – ARCADIS U.S., Inc., Edison, New Jersey; Project Engineer – Troy Risk, Inc., Indianapolis, Indiana.

TECHNICAL SPECIALTIES

Mr. Flagg is a client-focused environmental project manager with eighteen years of experience in various aspects of environmental consulting, specializing in due diligence and the investigation and remediation of complex sites.

A Certified Hazardous Materials Manager (CHMM) since 2010 and licensed Professional Engineer (PE) in New Jersey since 2014, Mr. Flagg has led all aspects of remedial design and implementation using various technologies including excavation and disposal, capping, multi-phase extraction, soil vapor extraction, air sparging, in situ chemical oxidation, enhanced bioremediation, sub-slab vapor venting systems, and implementation of engineering and institutional controls. Mr. Flagg has a strong command of all aspects of the New Jersey regulatory environment, including the technical regulations and technical guidance documents associated with the New Jersey Industrial Site Recovery Act (ISRA) and New Jersey’s Technical Requirements for Site Remediation. Within the New Jersey regulatory program, Jay has navigated all phases of site assessment and remediation, from Preliminary Assessment (PA) through Site Investigation, (SI), Remedial Investigation (RI), Remedial Action (RA), and post-remedial monitoring including compliance with Remedial Action Permits (RAPs).

REPRESENTATIVE PROJECTS

Due Diligence/Redevelopment

- Program Manager for property acquisitions by a local utility company. Included due diligence investigations prior to acquisition, followed by investigation, remediation, underground storage tank (UST) permitting and closure, and construction oversight activities in accordance with New Jersey Department of Environmental Protection (NJDEP) requirements. Properties investigated included residential, commercial (fuel oil distribution, commercial laundry, office space), and industrial (manufacturing) land uses.
- Project Manager for redevelopment of a manufacturing and landfill facility in northern New Jersey. Project included extensive coordination with NJDEP for land use and landfill permitting and segregation of the facility into multiple sites based on anticipated future use and ownership.
- Project Manager for New Jersey sites in nationwide due diligence portfolio for ecommerce retailer. Projects included Phase I and Phase II Environmental Site Assessments (ESAs) of commercial and industrial facilities throughout New Jersey. Following acquisition of properties, supported construction activities in accordance with NJDEP requirements.

Investigation/Remediation – Utilities

- Project Manager for former fossil fuel electricity generating station in northern New Jersey regulated under ISRA. Areas of Concern (AOCs) identified by the PA included the presence of historic fill, numerous documented spills throughout the history of the station, chemical storage areas, current and former generation units and switchyards, petroleum pipelines, former rail lines, former ash ponds, and contaminants of emerging concern.

- Project Manager for the investigation of and remediation of several AOCs identified during construction activities at a former fossil fuel generating station in northern New Jersey. AOCs included UST closures and releases of petroleum hydrocarbons, polychlorinated biphenyls (PCBs), and metals above background historic fill concentrations. Remedial actions included coordination with United States Environmental Protection Agency (USEPA) for PCB cleanup under Self-Implementing Cleanup Plans in accordance with the Toxic Substances Control Act (TSCA).
- Project Manager for the investigation of per- and polyfluoroalkyl substances (PFAS) impacts to soil and groundwater associated with the application of fire-fighting foam following equipment failure at an electrical substation. The substation is located in an area of regional PFAS impacts in groundwater, requiring forensic analysis to identify impacts specific to the site.
- Project Manager for the investigation of and remediation of a dielectric fluid release that occurred during construction activities at a former fossil fuel generating station in northern New Jersey. Achieved compliance with NJDEP standards through compliance averaging, which required no active remediation to be performed. The remedial action was coordinated with USEPA for PCB cleanup under Self-Implementing Cleanup Plans in accordance with TSCA.
- Project Manager for dewatering discharge to groundwater permitting, construction oversight, and perimeter air monitoring in support of various construction activities at an ISRA-regulated fossil fuel generating station in northern New Jersey.
- Project Manager for the investigation of and remediation of several AOCs identified activities at a former fossil fuel generating station in southern New Jersey. Areas of concern included releases of petroleum hydrocarbons (lubricating oil, kerosene, and suspected dielectric fluid), PCBs, volatile organic compounds (VOCs), and 1,4-dioxane. Remedial actions included coordination with USEPA for PCB cleanup under Self-Implementing Cleanup Plans in accordance with TSCA.
- Project Manager for investigation and remediation of a former electrical substation in northern New Jersey following cessation of operation and ISRA trigger. Remedial actions included coordination with USEPA for PCB cleanup under a Performance-Based Cleanup plan in accordance with TSCA.

Investigation/Remediation – Industrial

- Developed and evaluated remedial alternatives for treatment of VOCs in groundwater at a former chemical manufacturing facility. Managed the evaluation, optimization and, operation and maintenance of an existing groundwater pump and treat

system and investigation of specialty chemical impacts to site soil.

- Supported planning and oversight of various remedial investigations at an operating chemical manufacturing facility. Performed data analysis and interpretation, landfill inspections and evaluation of an existing pump and treat system.
- Performed feasibility testing and data analysis for implementation of multi-phase extraction at an operating manufacturing facility. Also performed planning and coordination for implementation of an in-situ chemical oxidation strategy to address VOCs in groundwater.
- Managed the remedial investigation to delineate a quarter-mile long trichloroethene plume in groundwater within a Wellhead Protection Area in Indiana. Designed, installed, and operated groundwater pump and treat system to gain hydraulic control of source area and performed evaluation and mitigation of vapor intrusion impacts at affected properties.
- Managed the investigation and remediation of a former commercial dry cleaner in Indiana. Remedial action included the design, installation, and operation of a soil vapor extraction system to treat shallow soil impacts.

Investigation/Remediation – Superfund/Federal

- Assistant Project Manager for remedial investigation, design, and implementation of remedial actions for petroleum releases at a military base. Remedial strategies proposed and designed for the various sites included air sparge/soil vapor extraction, excavation and disposal, and monitored natural attenuation.
- Supported the design and implementation of a Superfund remediation project at a former waste recycling facility located in Sayreville, New Jersey. The remedial action consisted of excavation and disposal of over 100,000 tons of soil and debris impacted with various contaminants. Contaminated soil was excavated, segregated according to waste stream, and disposed at multiple permitted facilities via rail. Site complexities required deep excavations using a sheet pile cofferdam and trench boxes, installation of a modular bridge for construction traffic, and wetland disturbance and restoration.

Waste Management

- Performed waste audits and provided guidance for waste management by contractors in conjunction with bridge reconstruction managed by the local port authority.
- Performed waste audits and managed site compliance for several hazardous and nonhazardous waste streams during remedial actions at a former chemical facility in central New Jersey.



PROFESSIONAL TRAININGS

American Council of Engineering Companies (ACEC) – New Jersey Chapter, Emerging Leaders Program

Princeton Groundwater, Inc. Remediation Course

OSHA 40-Hour/HAZWOPER Health and Safety Training

OSHA 8-Hour Site Supervisor

OSHA 10-Hour Construction Safety

PROFESSIONAL AFFILIATIONS

Alliance of Hazardous Materials Professionals (AHMP)

Interstate Technology and Regulatory Council (ITRC)

Chi Epsilon

PUBLICATIONS

Interstate Technology and Regulatory Council. “Implementing Advanced Site Characterization Tools (ASCT-1)” Dec. 2019. Team member and co-author of published regulatory guidance document.