Kerry K. Austin

Staff Geologist

Kerry Austin is a Staff Geologist with experience in soil characterization, boring investigations, groundwater monitoring well installation, and collection and handling procedures for a variety of sampling techniques including low-flow and volume average purging for groundwater, sub-slab and indoor air vapor intrusion sampling; management and analysis of data; implementation of environmental remediation strategies such as in-situ chemical oxidation, soil vapor extraction, bioventing, and hot-spot soil excavation; and oversight of monitoring well installation and repair efforts. Ms. Austin participates in activities of:

- Execution of all phases of site and remedial investigations as governed by the NJDEP's LSRP and UST programs including active field work, data analysis, and the preparation of technical reports and forms;
- Assistance in due-diligence and preliminary assessments of baseline conditions for potentially contaminated sites, including the preparation of Preliminary Assessment and Phase I Environmental Site Assessment reports;
- Evaluation of the geological and hydrogeological characteristics for contaminated sites;
- Site evaluation and assessment to evaluate potential soil and groundwater impacts from hazardous wastes and toxic constituents;
- Bench and field scale pilot testing to evaluate remedial alternatives to address soil and groundwater impacts;
- Remediation system operation and maintenance activities and remediation performance monitoring and evaluations, including in-situ chemical oxidation systems, soil vapor extraction/bioventing systems, airsparging/biosparging systems, and vapor intrusion mitigation systems.

Education

B.S./Earth & Environmental Sciences
Minor in Business
Lehigh University
Bethlehem Pennsylvania
May 2015

Professional/Business Training

The 40-Hour Training Course in Hazardous Waste Operations and Emergency Response (HAZWOPER Certificate), required by OSHA 29 CFR 1910.120

Professional Affiliations

Kappa Delta Sorority, Founding Member of the Alpha Class of the Theta Zeta Chapter at Lehigh University

Society of Environmental Scientists

Eco-Reps

Alpha Phi Omega, Community Service Fraternity, Chief Financial Officer and Public Relations Secretary

Sigma Alpha Pi, Society of Leadership and Success

SELECTED PROJECTS

Underground Storage Tank (UST) Sites, Various Locations, New Jersey – Participated in the field activities for a number of underground storage tank (UST) sites with the majority of the UST sites being impacted by petroleum hydrocarbons. Responsibilities included oversight of soil borings and well installations; participation in aquifer tests, soil, air, and groundwater sampling; well search and receptor evaluation; contamination delineation; data tabulation and analysis;

oversight of soil excavation; operation and maintenance of the soil and groundwater remediation systems; and report preparation.

Former Specialty Chemical Manufacturing Site, Hackensack, New Jersey – Participated in multiple phases of site investigation and active remediation at a former speciality chemical manufacturing facility shown to be heavily contaminated with various chlorinated organic compounds. Has participated in the bench scale and pilot-scale testing as well as the current full-scale, multi-year implementation of an in-situ chemical oxidation (ISCO) remediation at the site. Responsibilities included chemical management, e.g. chemical demand calculations, tracking, and ordering of chemicals; daily tracking and monitoring of ISCO progress; the application of ISCO chemicals; ISCO response monitoring; oversee the installation of soil borings and monitoring and remediation wells; soil and groundwater monitoring and sampling; health and safety planning and monitoring; receptor evaluation; contaminant delineation; data tabulation and analysis; coordination and scheduling of site personnel, tenants, and subcontractors; and report preparation.

Former Electronics Manufacturing Sites, Binghamton and Kirkwood, New York – Participated in field activities in groundwater monitoring and sampling; ISCO system operation, maintenance and monitoring; inspection of deed notice areas; and inspection of the active sub-slab depressurization (ASD) systems; and monitoring of the indoor air quality at both sites. Also assisted in field activity planning and coordination; coordination of field materials, supplies and chemicals; data tabulation and analysis; and, progress report preparation for both sites.

Automotive Repair Facility, Hopatcong, New Jersey – Participated in field activities in both soil and groundwater monitoring and sampling. Conducted system operation and maintenance of the in-situ soil vapor extraction and air sparging (SVE/AS) system to ensure maximum efficiency for the remediation of petroleum contamination in soil and groundwater at the site without disrupting site daily activities.

Automotive Repair Facility, West Orange, New Jersey – Participated in a variety of field activities on site including soil sampling, groundwater monitoring and sampling, and oversight of well installations. Has also been involved in fingerprint sampling of an unknown contaminant at the site, as well as the implementation of a temporary remediation strategy for this contaminant source. Coordinated with the Township of West Orange to gain access to town property and coordinate work for the purpose of soil sampling and monitoring well installation.

EMPLOYMENT HISTORY

2015 – Date	Staff Geologist Verina Consulting Group, LLC, Bridgewater, New Jersey
2013	Research Project Intern Department of Microbiology, National University of Ireland, Galway