Christian Bojorquez

Project Scientist

Christian Bojorquez is a Project Scientist with over five years of research and professional experience, including task management and scheduling; preparation and execution of soils, groundwater and air sampling plans; field and laboratory data management and analysis; and implementation of environmental investigation and remediation. Ms. Bojorquez 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 regulatory forms.
- Assistance in due-diligence and preliminary assessments of baseline conditions for potentially contaminated sites, including the preparation of Preliminary Assessment, Phase I, and Phase II 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 systems, and vapor intrusion mitigation systems.

SELECTED PROJECTS

Underground Storage Tank (UST) Sites, Various Locations, New Jersey – Participates 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 and chlorinated volatile organic compounds. 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 – Participates in multiple phases of site investigation and active remediation at a former specialty 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)

Education

M.S./Biology, Ecology and Evolution Concentration, Montclair State University, Montclair, New Jersey
May 2020

B.S. /Biology, New Jersey City University, Jersey City, NJ
January 2017

Professional/Business Training

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

The 8-Hour Training Course in Hazardous Waste Operations: Supervisor in accordance with OSHA 29 CFR 1910.120(e)(8)

remediation at the site. Responsibilities included chemical management including chemical demand calculations, tracking, and ordering of chemicals; daily tracking 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 – Participates 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 project management; field activity planning and coordination; coordination of field materials, supplies and chemicals; data tabulation and analysis; and progress report preparation for both sites. She also prepared the deed notice for institutional control of the residual constituents of concern at the Binghamton site.

Former Bulk Petroleum Storage Facility Investigation, Linden, New Jersey – Participated in multiple phases of active remediation at a property formerly used as a bulk storage facility for multiple types of petroleum. Responsibilities included oversite of excavation and monitoring well installation; soil and groundwater monitoring and sampling; health and safety planning and monitoring; receptor evaluation; contaminant delineation; and data tabulation and analysis.

Former Ceramics and Plumbing Fixture Manufacturing Facility, Woodbridge, New Jersey - Participated in multiple phases of active remediation at a former ceramics and plumbing manufacturing facility. Responsibilities included air, vapor intrusion, and soil monitoring and sampling; aquifer testing; oversite of groundwater sampling, wetland investigations, monitoring and recovery well installation, and an OIP investigation; skimmer maintenance; receptor evaluation; contaminant delineation; data tabulation and analysis; and report preparation.

Chlorinated Solvent Release at Shopping Centers, Various Locations, New Jersey - Participated in multiple phases of active remediation at multiple shopping centers that experienced chlorinated solvent releases. Responsibilities included air, vapor intrusion, and soil monitoring and sampling; aquifer testing; inspection of the ASD systems; oversite of groundwater sampling, monitoring and recovery well installation; well search and receptor evaluation; contaminant delineation; data tabulation and analysis; and report preparation.

Water Systems, Various Locations, New Jersey – Coordinated with the NJDEP and approximately 300 water systems to resolve water system violations and help water systems return to compliance with state drinking water regulations. Responsibilities included assisting with the remediation of issues including elevated levels of lead, copper, PFAS, and other contaminants; preparation of sampling plans and compliance documents; publishing client reports; and submission of results to the NJDEP's official reporting database.

EMPLOYMENT HISTORY

2024 – date	Project Scientist Verina Consulting Group, LLC, Bridgewater, New Jersey
2022 – 2023	Environmental Scientist I J.S. Held, LLC, Summit, New Jersey
2020 – 2022	Compliance Specialist Agra Environmental & Laboratory Services, Dover, New Jersey

2018 – 2020 Lead Graduate Assistance and Research Technician
Montclair State University, Montclair, New Jersey

SELECTED PUBLICATIONS

Bojorquez C. May 2020. Testing Multiple Climate Stressors at the Cold Range Limit of a Marine Calcifer. M.S. Thesis, Montclair State University, Montclair, New Jersey.

Bojorquez C. and C. J. Feehan (2021): Laboratory-simulated marine heatwave accelerates early embryonic development in the sea urchin *Arbacia punctulata* at its cold range edge, Invertebrate Reproduction & Development, DOI: 10.1080/07924259.2021.1933222