

Alexander (Alex) Dewhirst | Senior Environmental Advisor

11 Commerce Way, Suite A, Totowa, NJ 07512

Cell Phone: 401.339.8020
alexander.dewhirst@efiglobal.com

Professional Summary:

Mr. Dewhirst has over 15 years of experience as an environmental geologist. His industry experience includes environmental compliance, due diligence, environmental site assessments, and remediation of impacted soil, groundwater, and soil vapor. He has acted as a direct liaison between clients and governing regulatory agencies to navigate clients through environmental rules and regulations on various types of projects including, but not limited to, soil management for commercial construction and transportation projects, underground storage tank (UST) investigations, and successful regulatory agency closure of remediation projects. He is well versed with cost estimating, project management and implementation, and preparation of project deliverables. During his time as an environmental geologist, Mr. Dewhirst has maintained a strong record regarding environmental health and safety, project management, and a mentor to junior staff. He is competent with site investigations and remediation of petroleum products, chlorinated solvents, vapor intrusion investigations and mitigation techniques, and solid waste remediation.

Mr. Dewhirst also brings five years of geophysical and geotechnical engineering experience from the New England area. He has performed geophysical surveys including, but not limited to UST surveys, Multichannel Analysis of Surface Wave (MASW) surveys, Ground Penetrating Radar (GPR) surveys, vibration monitoring, remote telemetry, and geotechnical engineering investigations and reports. He has experience on in-situ stabilization of impacted soils and geotechnical material testing performing sieve and proctor analysis of soils, hydrometer analysis of silts, and Atterberg limit analysis of clays.

Licenses and Certifications:

OSHA 40-hour Hazardous Waste Operations, with current OSHA 8-hour Refresher

OSHA 24-hour Supervisor Training

OSHA 10-hour Construction Safety & Health

Smith Defensive Driving Training, Driver Fatigue Training

Project Experience:

Property Owners – Warren, Rhode Island

Hotspot Removal

Mr. Dewhirst partnered with several Private Property Owners to assist in navigation through the purchase of a United States Environmental Protection Agency (EPA) Superfund Site designated for redevelopment. After a completed subsurface investigation, he implemented and executed a remediation work plan (RWP), which was approved by the Rhode Island Department of Environmental Management (RI DEM). Mr. Dewhirst oversaw cost estimating, selecting, and managing of subcontractors, field sampling, and report deliverables. He served as the direct point of contact between RI DEM and property owners. From the generation of the RWP to approval from RI DEM for site redevelopment was completed within approximately four months, allowing the property owners to begin construction almost a year ahead of schedule.

Union Pacific Railroad – Various Locations, California

Waste Disposal Characterization of Railroad Ties

Mr. Dewhirst was part of a team that implemented and executed a complex sampling plan to determine the hazardous or non-hazardous nature of railroad ties on Union Pacific Railroad property and right-of-ways (ROWs). During the replacement of railroad ties, the collected data was utilized for proper disposal at hazardous disposal facilities. Mr. Dewhirst performed sampling on multiple railroad subdivisions across California including the Mojave subdivision. This was particularly challenging due to temperature and field conditions experienced in the Mojave Desert during the summer months, in which field activities commenced. The sampling program implemented and executed resulted in a successful project, completed ahead of the proposed timeline and below budget.

UST Sites – Various Locations, Colorado

Underground Storage Tank Investigation and Remediation

Mr. Dewhirst performed field oversight on multiple petroleum impacted soil excavations associated with UST related petroleum releases. He was responsible for site health & safety, subcontractor management, environmental compliance, sampling, and reporting. During excavation operations, he made determinations when the extent of the contaminated soil had been excavated based on field observations and confirmation sampling.

Petroleum Impacted Sites – Various Locations, Colorado, Nebraska, and Wyoming

Remediation System Installation, Operations, and Maintenance

Mr. Dewhirst completed subsurface investigations to assist in the design of proposed environmental remediation systems and provided field oversight during installation efforts. He routinely traveled across Colorado, Nebraska, and Wyoming to perform operations, maintenance, and monitoring on various types of remediation systems including, but not limited to, air sparge (AS), soil vapor extraction (SVE), ozone injection, and dual phase (DPE) systems. Mr. Dewhirst maintained a strong track record for keeping the systems in regulatory compliance.

Rust-Oleum – Attleboro, Massachusetts

OSHA Compliance Sampling

Mr. Dewhirst developed and executed an indoor air sampling plan. Due to the complexity of operations at the facility, individualized plans were generated for respective areas. He generated report deliverables which were reviewed and signed by a certified industrial hygienist (CIH). The report was provided to OSHA for compliance purposes.

Offshore Windmill Manufacturer – New Bedford, Massachusetts

Geotechnical Engineering Investigation and Report

Mr. Dewhirst developed and executed a geotechnical investigation program which included a limited environmental site investigation. He collected data from soil borings, rock coring, and load plate testing. Field and laboratory data was compiled to generate a geotechnical engineering report with environmental considerations. Mr. Dewhirst prepared the report with oversight from a licensed Professional Engineer.

National Oceanographic and Atmospheric Administration – Woods Hole, Massachusetts

Forensic Structural Engineering Investigation

Mr. Dewhirst proposed and executed field services to make determinations about concrete failure at the Site. Through multiple ASTM methods, he collected field data and generated report deliverables to make repair level bids for the design and repair of damaged concrete foundation

walls. Included in the report deliverables were recommendations for materials to be used to prevent similar degradation in the future.

Professional Experience:

EFI Global, Senior Environmental Advisor, 2023 – Present
Thielsch Engineering, Inc., Project Manager, 2019 – 2023
Geotech Environmental Equipment, Inc., National Sales Manager, 2014 – 2018
Delta Consultants/Antea Group, Staff Geologist, 2008 – 2014

Education:

Bachelor of Science, Geology, University of Rhode Island, Kingston, RI (2008)