

Environmental Assessment & Remediation

We have been conducting Phase I, II, and III Environmental Site Assessments throughout New England on a daily basis since the 1980s. Many of our projects involve USEPA-funded assessments, including ASTM E1527 – 13 Phase I Assessments, Phase II and Phase III ESAs. Studies include investigations of petroleum hydrocarbon releases from USTs to investigations of industrial facilities involving dozens of areas of concern, multiple contaminant types, and complex geological settings. We incorporate innovative techniques to streamline the investigative/remedial design process, reduce costs, and encourage the use of green remedial alternatives.

We design site remediation to facilitate property reuse goals and have developed a track record of obtaining approvals for creative solutions due to strong working relationships with regulators. Remediation requirements can be complex; however, there are opportunities to apply creative engineering approaches to decrease the costs of remediation. These include obtaining approval for decreasing the thickness of caps, developing a site grading plan that minimizes the generation of excess contaminated soil, integrating remedial alternatives into the site design so that the infrastructure serves as a component of remediation, and considerations to address climate change. For the USEPA's program, the process involves preparation of Remedial Action Plans (RAPs), Analysis of Brownfields Cleanup Alternatives (ABCA), Soil Management Plans, and Order of Magnitude Opinions of Probable Remedial Cost for contaminated properties. Remedial concepts are presented based on discussions with the client, potential developers, and other community stakeholders. The type of information contained in these documents includes sustainable design and green remediation techniques, mitigation of vapor intrusion and light non-aqueous phase liquids (LNAPL) migration, and addressing urban fill.

Environment

RELEVANT ENVIRONMENTAL ASSESSMENT & REMEDIATION PROJECTS



Norwich State Hospital - Norwich and Preston, CT

- Conducted a comprehensive Phase II environmental assessment and hazardous materials inventory of more than 80 buildings on several hundred acres of land.



Revitalized Urban Transit Depot - Mooseup, CT

- Performed environmental investigations and prepared a Remedial Action Plan (RAP) for urban renewal on a 6.95-acre abandoned CT Transit bus garage.



Chatham Street Housing - New Haven, CT

- Created a Remedial Action Plan (RAP) and oversaw soil remediation during construction of this 32-unit housing development on a former warehouse site.



Farnam Courts - New Haven, CT

- Provided a Phase I ESA, which led to subsurface investigations to characterize soil and groundwater quality and the preparation of a soil management plan for use during redevelopment.



Site Assessment and Remediation - Mooseup, CT

- Remediation activities included the construction of permeable and impermeable engineered controls, rendering soil inaccessible and environmentally isolated, and prohibiting residential use of specific parcels, all of which required recording an ELUR.

ADDITIONAL ENVIRONMENTAL ASSESSMENT & REMEDIATION PROJECTS

- Central Connecticut State University, Newington, CT
- Chatham Street Redevelopment, New Haven, CT
- CT Transit, New Haven, CT
- Dutton Heights, Bristol, CT
- Farnam Courts, New Haven, CT
- Former Kenyon Mill, Coventry, CT
- Former National Welding Facility, Newington, CT
- Goodwin Estate, Hartford, CT
- Harbor Point, Stamford, CT
- Hendel's Inc. Remediation, New London, CT
- Kemvult Site Remediation, Bridgeport, CT
- Pitney Bowes Manufacturing Complex, Stamford, CT
- Army National Guard, Windsor Locks & East Lyme, CT
- Sports & Medical Science Academy, Hartford, CT
- Steelpointe Harbor Development, Bridgeport, CT
- Sturm, Ruger & Company, Southport, CT
- UTC, Bridgeport, CT