

Brownfield Restoration and Land Revitalization



Brownfields - From Grant Writing to Cleanup

Brownfield properties are sites that were previously used for commercial or industrial purposes such as manufacturing, gas stations, or old dry cleaning establishments where the lingering presence of hazardous substances may limit or complicate the sale, redevelopment, or reuse of the property. Often located in metropolitan and urban in-fill areas with high real estate values, remediating these sites can be an attractive business opportunity for owners and developers alike. Developers bank on cleanups yielding significant positive effects on local real estate prices while property-owners are eager to enhance their brownfield property values by remediating impaired sites using funding from federal and state grants. In addition, funding is also available for brownfield projects through the Federal Inflation Reduction Act (IRA) and the Infrastructure Investment and Jobs Act (IIJA), also known as the Bipartisan Infrastructure Law (BIL).

The key to a successful brownfield project is to ensure that the remediation costs result in a lift in property values that repositions the property for a profitable sale. GES assists regional and local economic development agencies, developers and property owners in protecting their investments by bringing leading-edge field methods, rapid characterization techniques, and aggressive remediation technologies to assess and cleanup brownfield properties with anticipated future land uses in mind. The results are restored assets suitable for planned land uses, with reduced liabilities and greater returns on investment.

GES offers the following field methods, characterization techniques, and remediation technologies:



Real-time, on-site data collection and remedy evaluation including DAPL, our mobile feasibility testing platform that accelerates assessment and enhances remediation selection.



Life-cycle costing methods that evaluate the true cost of alternative remediation methods and help select the most appropriate approach for your business model.



State-of-the-art modeling and analysis capabilities to evaluate contamination, allocate liability, and mitigate risk.



Expertise to develop technically-sound risk allocation strategies that define and limit environmental liabilities.



Portable remediation systems for deployment at a fraction of the cost of permanent treatment systems.



Aggressive remediation approaches include chemical oxidation, chemical reduction, and bioremediation techniques for the rapid and safe destruction of many contaminants.

Areas of Expertise

- Preliminary Assessment and Due Diligence
- Phase I/II ESAs
- Site Investigations
- Compliance and Environmental Audits
- Sampling and Analysis Plans
- Grant Writing, Regulatory Advocacy and Community Outreach
- Remedial Action Plans
- Remedial Design (Plans and Specifications)
- Closure Negotiations
- Remediation Construction Oversight
- Treatment System OM&M
- UST Remediation and Closure
- Vapor Intrusion Investigation and Mitigation
- Ecological Evaluations
- Wetland Delineation and Waters of the US
- Geologic and Hydrogeologic Characterizations
- Air Quality Services
- Permitting
- Licensed Remediation Professionals (NJ, MA, CO, WV)
- 3-D Subsurface Visualizations
- Stormwater Pollution Prevention Plans

