



Environmental, LLC

advise • remediate • sustain

Project Briefs : Pollution Remediation

Petroleum polluted soil and groundwater remediation

SAK Environmental provided engineering and consulting services for the assessment and remediation of petroleum contaminated soil and groundwater. Gasoline had released to the ground from underground storage tanks removed several years earlier. The release was located within a drinking water protection zone. Licensed Site Professional services were provided to define the nature and extent of pollution, and to design and implement enhanced bioremediation using oxygen released compounds.



Emergency response and solvent remediation

SAK Environmental provided emergency response and comprehensive remediation design services at a confidential life science facility in Massachusetts. Both virgin and waste solvents overflowed at an above ground storage tank farm. The release contaminated soil and groundwater which was located in a drinking water protection zone. SAK provided emergency services to notify regulators and implement a rapid assessment and remediation plan. Remediation included the excavation of 500 tons of contaminated soil and aggressive groundwater treatment via chemical oxidation. Contamination was contained on-site and the project was closed-out in 18 months.



Contaminated soil and tank removal for school conversion project

SAK environmental assisted a Boston developer in redevelopment of a former grade school to residential condominiums. SAK managed the removal of a 10,000 gallon petroleum underground storage tank and disposal of 130 of contaminated soil. Groundwater quality was evaluated for risk to building occupants. Our services allowed for project funding by a commercial lender and redevelopment on-time.



Electronics manufacturing facility closure

A confidential client's 250,000 square foot Massachusetts facility was the victim of corporate restructuring and was forced to close their facility and vacate the property. Since 1999, the client had manufactured and assembled electronic components for private clients and the military. The goal of the decommissioning was to remove Lead dust that may have deposited from manufacturing activities. A comprehensive decommissioning plan identified areas where there is potential contamination based on soldering operations and established a methodical and systematic evaluation of conditions to evaluate and remedy contaminant residues inside the facility. The plan also established sampling and analysis protocols, and provided for detailed documentation of the work performed.



Monitored Natural Attenuation (MNA) groundwater remediation program

SAK Environmental conducted well installation and periodic groundwater sampling and analysis at a Tier 1C MCP-regulated construction yard with a former leaking UST. We developed sampling and monitoring well location plans and conducted aquifer permeability tests to delineate horizontal and vertical extent of the groundwater plume. Prepared Phase IV Remedial Implementation Plan and selection of Remedial Action Alternative and Class C RAO.



Laboratory decontamination

SAK Environmental, LLC managed the closure and decontamination of over 70,000 square feet of laboratory space for a national life sciences company. SAK oversaw relocation of equipment and hazardous materials, disposal of hazardous and contaminated material, and decontamination of building surfaces, laboratory furniture, and HVAC systems. Post-decontamination wipe and chip samples were collected and documented for use third party use.