



Environmental, LLC

advise • remediate • sustain

Project Briefs : Construction Support

Demolition support for concrete floor slabs

SAK Environmental provided subcontracted specialized services to evaluate potential mercury contamination in abandoned 100-year old hospital buildings scheduled for demolition. Initial screening results indicated that mercury was present in floor materials and contaminated the concrete decking. SAK reviewed all test data and developed a comprehensive sampling plan and protocol to test the concrete floor slabs and ascertain if materials needed to be classified and disposed of as “contaminated”, “hazardous waste”, or “suitable for recycling”. The project was completed on an expedited schedule to satisfy developer requirements.



Health and safety plan; air monitoring at former superfund site

SAK Environmental served as On-Site Health and Safety Officer during the construction of a commercial development on a former Superfund Site containing PCBs and solvents in Norwood, MA. We developed site specific health and safety plan, conducted worker training, and conducted air quality monitoring during excavation phases of the construction project. Coordinated with the owner’s representative, and MADEP and USEPA officials on daily management of contaminated materials and sampling. Worked with the site contractors on acceptable modifications to the soil management plan and created cost-saving alternatives to construction dewatering discharge management techniques with the approval of USEPA officials.



Peer review and on-site monitoring on former gasoline station

SAK Environmental provided LSP technical peer review of remediation and demolition work plans and related documents prepared by others, as well as on-call environmental monitoring services during construction for a new bank branch built on a former gasoline station located on the edge of a former landfill. The project included field screening for petroleum products during excavation; risk assessment for vapor intrusion, and laboratory analysis and disposal management of urban fill material encountered during excavation.



Soil pre-characterization for utility line installations

SAK Environmental assisted a utility company in pre-characterizing soil conditions along new natural gas line extensions at various locations in Massachusetts in accordance with the corporate soil management policy. Investigations included searching MA DEP databases, selecting boring locations for soil testing, analyzing laboratory results and preparing reports and recommendations for soil management and disposal if necessary.



Construction equipment fuel spill

SAK Environmental responded to a sudden release of diesel fuel at a large commercial construction site. 500-gallons of diesel fuel spilled from a tanker truck when an unsuspecting excavator swung around and gashed the tanker. SAK provided immediate on-site services to define response actions and oversee cleanup. Free product was recovered and 250 tons of contaminated soil was excavated, and post-excavation soil samples were tested for confirmation.



Subsoil pre-characterization under chemical manufacturing facility floor

SAK supported a construction project to pre-characterize subsoil beneath a chemical plant’s main production building. The concrete floor and wastewater conveyance trenches had deteriorated from chemical and physical wear, and were to be replaced. In close coordination with Production, Facility and EHS Managers, SAK advanced soil borings inside the facility to characterize soil quality for the purpose of determining if a reportable condition was present, waste management requirements for the construction project, and special health and safety precautions. Contaminants of concern included caustics, Copper, Alcohols, and solvents.

SDO/SOMWBA Certified WBE and DBE

231 Sutton Street, Suite 2G, North Andover, MA 01845 • phone: (978) 688 7804 • fax: (978) 688 7801