



Environmental, LLC

advise • remediate • sustain

## Project Briefs : Sustainable Development

### **Recycling program compliance inspections**

As part of Massachusetts Class II Recycling Permit program, SAK Environmental was selected by Wheelabrator Technologies, Inc. to serve as their Waste Ban Compliance Professional for their three Massachusetts waste-to-energy facilities - in North Andover, Millbury, and Saugus. SAK regularly conducts random, on-site inspections in accordance with permit requirements at each facility and provides detailed quarterly data reporting. By serving as a third-party inspector for waste ban materials SAK is assisting Wheelabrator and MADEP by providing detailed data and a benchmark for continuous process improvement that will ultimately reduce waste ban materials and improve recycling by the waste generator.



### **Permitting for Boston geothermal well installation:**

SAK Environmental prepared wastewater discharge permits for BWSC and MWRA for two proposed 1,500 foot deep standing column geothermal wells to be installed at an existing building on Newbury St. in Boston. The permitting work included a review of alternative disposal methods, sewer/storm drain system plan review and identification of the discharge location, process flow diagram of pretreatment systems, and site land use history for the past 50-100 years. An online review of MADEP disposal site database was also included.



### **Technical assistance to municipalities for ground mounted PV arrays**

SAK Environmental assisted municipalities with MEPA and NEPA permitting efforts, construction feasibility, bid documents, bid analysis, and construction management for two ARRA-funded, DOER Solar Energy installation projects. Projects included 112kW array on a Massachusetts highway easement in Carver, MA; and a 440kW array on a closed landfill in Methuen, MA. Investigated post-closure use permits with MADEP NERO for Methuen, and investigated environmental impacts for Carver project. Worked as a subcontractor to The Cadmus Group, Inc. of Watertown, MA.



### **Haverhill brownfield peer review**

SAK Environmental conducted peer reviews of prior environmental reports and reviewed 3 technical proposals for remediation of a heavily petroleum contaminated soil and groundwater at a former service station slated for redevelopment of a parking garage. SAK developed a revised, comprehensive plan for additional assessment to include vapor intrusion studies, soil excavation and aggressive groundwater remediation to keep the project on schedule. SAK coordinated closely with the City of Haverhill, MADEP, USEPA, and MassDevelopment on project planning and cost estimating. The project was selected as a Brownfield Support Team pilot program which assists cities and towns to redevelop the most challenging and complex brownfield sites.



### **Geothermal test well installation at Salem State College**

SAK Environmental managed and oversaw the installation of a 500 foot deep closed loop geothermal test well at the campus of Salem State College. SAK coordinated with the MEP designer, DCAM project manager, and well driller to locate the well and oversee the installation. SAK reviewed thermal conductivity testing and provided a test well report.

SDO/SOMWBA Certified WBE and DBE

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