

## Representative Project - Green Seal Environmental, Inc.

Project Name: Brownfield Assessment – Springfield, MA  
Client: Bay Street Environmental, Inc., Frank Antonacci: (860) 746-3200  
Dates: August 2003 – August 2004  
Project Cost: \$110,000

GSE conducted a Brownfields assessment of a former scrap metal yard in Springfield Massachusetts. The purpose of the assessment was to determine the viability of redeveloping the property into a solid waste transfer station with a rail component. GSE performed in depth historical research of the property and found that it has also historically been a fuel oil depot. GSE also learned through interviews and research that the scrap metal operation included burning coverings from wire in an incinerator.

The assessment field activities included installation of many soil borings to characterize soil conditions using both a rapid assessment technique (Geoprobe™) and a conventional hollow stem auger drilling technique with split spoon sample collection. Within 10 days, GSE was able to rapidly assess many of the on-site impacts. GSE also installed groundwater-monitoring wells while the soil assessment was taking place.



Groundwater quality and flow characteristics were characterized both vertically and horizontally during this investigation. GSE's assessment identified that the site was impacted with heavy metals, petroleum hydrocarbons and PCB's within the soil and groundwater.

GSE acted as the liaison with MA DEP to determine the actions necessary to take control of the property and identified options for remedial actions for redevelopment.

GSE provided public relations services for this project including meetings with community groups, producing a video of the property and conceptual drawings of the completed solid waste facility, meetings with the Mayor of Springfield and his advisors, and became a key participant in a project group that included developers, politicians, lawyers and scientists. In addition, GSE prepared an Expanded Environmental Notification Form for the site following the Massachusetts Environmental Policy Act (MEPA) regulations.

