

## Accelerated Gasoline HC-2000 Soil & Groundwater Bioremediation

**Location: Atlanta, Georgia**

**Client: Major Beverage Distribution Facility**

**Contract Amount: \$250,000**

### PROBLEM

A gasoline contaminated site at a beverage distribution facility with leaking underground storage tanks was qualified by Remtech for reimbursement under the State GUST Trust Fund.

### SOLUTION

The USTs were removed and a bioventing/biosparge system was installed. Seven (7) existing recovery wells were converted into HC-2000 injection bio-foam wells. Remtech's HC-2000 (natural bioremediation accelerator) was injected over a six (6) month period.

Remtech's bio-foam injection wells were utilized to increase mass transport of HC-2000 to the saturated and unsaturated zones. High pressure air is used to generate foam micro-bubbles. High volume/low pressure air was used to move the foam blanket through the unsaturated zone and capillary fringe.

BTEX concentrations in the heart of the groundwater plume were reduced by over 94% and TPH concentrations were reduced by over 96% during the treatment period. Mobile free product was eliminated during the first month of treatment.

### COST/BENEFITS

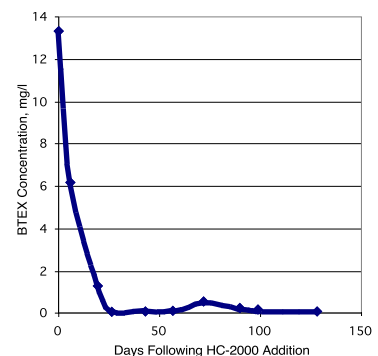
Remtech qualified this site for reimbursement under the State GUST Trust Fund.



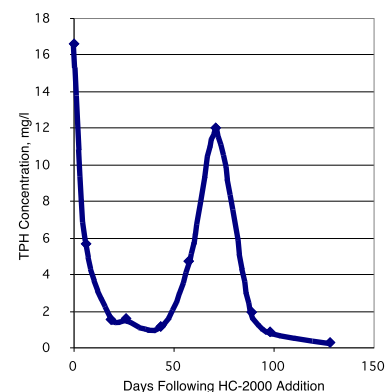
Beverage Distribution Facility



Remtech's Bio-Foam Injection Well



BTEX Degradation Curve



TPH Degradation Curve

