

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.



Beverage Distribution Facility

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.

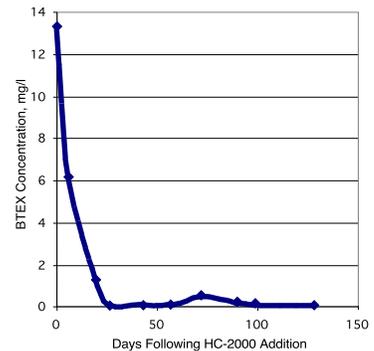


Remtech's Bio-Foam Injection Well

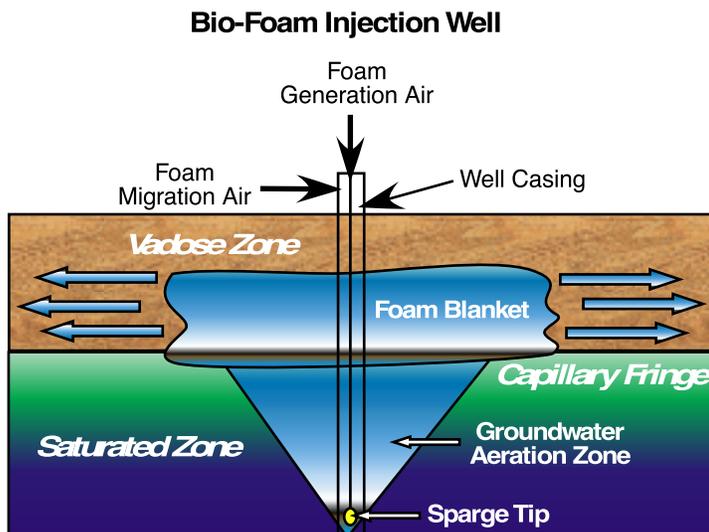
BTEX concentrations in the heart of the groundwater plume were reduced by over 94% and TPH concentrations were reduced by over 96% during the treatment period. Mobile free product was eliminated during the first month of treatment.

COST/BENEFITS

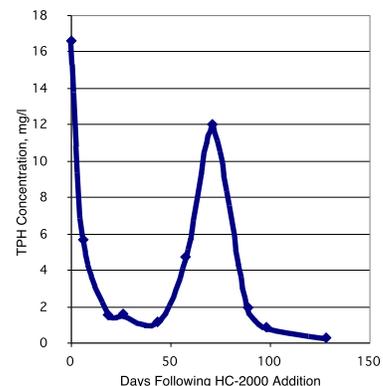
Remtech qualified this site for reimbursement under the State GUST Trust Fund.



BTEX Degradation Curve



Bio-Foam Injection Well



TPH Degradation Curve