HC-2000 Diesel Release Ballast Treatment at Rail Crossing at-grade Collision Site
Location: Central Georgia
Client: Major Railroad
Contract Amount: $36,500

Diesel fuel sprayed over 1787 ft of track

PROBLEM

An at-grade collision between a train and low-boy truck ruptured the lead locomotive's fuel tank on a mainline track running next to a drainage ditch. The train traveled 1,787 ft prior to stopping releasing an estimated 1,000 gallons of diesel fuel.

SOLUTION

Five (5) HC-2000 applications were made to the tracks and ballast during the first three months from an access road parallel to the tracks. Two (2) additional applications were made six (6) months later followed by six (6) month degradation period.

Total petroleum hydrocarbon (TPH) concentrations were reduced 97% at Impact Point 1 and a 99% reduction was achieved at Rest Point 2. A *no further action letter* was obtained from the State Department of Natural Resources

HC-2000 applied to track cross sections with fire nozzle from access road

COST/BENEFITS

Treatment of track bed ballast with HC-2000 was several orders of magnitude less expensive than excavation and replacement considering track service interruption time.