

**Waste Oil Spill On Mainline Tracks**

**Location: Atlanta, Georgia**

**Client: Waste Oil Recycler**

**Contract Amount: \$40,000**

**PROBLEM**

A waste oil recycler tanker spilled an estimated 600 gallons of waste oil that flowed through a storm drain and onto two main line tracks covering 140 ft of drainage ditch and 60 ft of track.

**SOLUTION**

Regulatory/railroad cleanup criteria required no oil migration off the railroad ROW and no sheens in stormwater runoff. Six (6) cubic yards of oil saturated gravel/soil were excavated from the stormsewer outfall and ditch adjacent to the tracks. A poly sorbent/straw filtration/containment system was installed in the drainage ditch.

Seventy (70) ft x 6" diameter HPDE drain pipe (terminating in a 20-gallon sump) was installed between the two mainline tracks and a second system was installed in the ditch.

Six (6) HC-2000 applications were made during the initial 4 month period. Leachate collection and filtration system maintenance & monitoring continued for an additional 8 month period until sheens in stormwater runoff and oil collection in the leachate collection systems dissipated.

**COST/BENEFITS**

Cost savings to the railroad on this project were: Ballast removal/replacement - \$100,000 plus elimination of lost track revenues from track service interruption for 25 to 75 trains/day or an estimated \$250,000/day.



HC-2000 Desorbs Waste Oil Into Leachate Collection System & Accelerates Petroleum Hydrocarbon Degradation



Initial Treatment of Tracks with HC-2000 and Excavation of Saturated Ditch Soils



Installation of Leachate Collection System between Mainline Tracks



Leachate Collection & Straw/Sorbent Ditch Containment Systems



Leachate Collection Sump Between Tracks With Pump Out Stinger