



PermaMatrix® Creosote Plant Remediation Project

Contaminated Stream bank Stabilization Project

Crosby Mississippi, April 2011



Problem

An abandoned creosote plant that stopped production in the 1940's left a legacy of creosote leaching into an adjacent creek. A two step process of clean up and remediation of the streambank restored the natural bank and eliminated any leaching potential. Heavy, flashy storms battered the sandy banks eroding, in some areas, over 15 feet of streambank threatening a newly installed well head monitor.

Project Background

Dating to the turn of the century this creosote plant was used to make telephone poles and rail road ties. An extensive system of monitoring wells, removal of contaminated soils, and the use of organoclay to remove oil from water and to seal any potential of petrochemical leaching was utilized in this clean up of the site.

Solution

To revegetate the streambank and control continual erosion PermaMatrix® Biotic Soil Amendment was hydraulically applied over the Envirolok system to restore the biological function of the streambank. PermaMatrix is a combination of organics and biochar that greatly enhances the establishment and diversity of native plants. Vegetation establishment has been excellent and the plants helping the remediation of this contaminated site.



**Permits
Engineering**

Provided by Premier Environmental of Marietta GA. Pantheon Group, prime contractor with Southern Specialty Services providing construction leadership. Sunmark Environmental coordinated the environmentally-sensitive solution by working with all the stakeholders, engineers and general contractors.

**Environmental
Review**

Community Reaction, "This is such a difference, what use to be an ugly, polluted site is now restored for everyone that lives here".

Project Fact Sheet

Contractor Installer:

Pantheon Group Inc
1880 West Oak Parkway
Building 100, Suite 106
Marietta, GA 30062



Southern Specialty Services, Inc.
8424 Wallace Tatum Road
Cumming, GA 30028



Certified Installer:

Sunmark Environmental Services, LLC
18032 NE Airport Way
Portland OR 97230



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Premier Environmental Services, Inc.
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Contact information provided on request

